

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062398.D
 Acq On : 8 Jul 2020 10:14
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:24 AM

Quant Time: Jul 09 01:57:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	181500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	309874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	278839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1757	0.863 ug/l	87
3) Chloromethane	2.03	50	3105	1.013 ug/l	95
4) Vinyl Chloride	2.16	62	2328	0.893 ug/l	96
6) Chloroethane	2.67	64	1336	0.879 ug/l #	85
7) Trichlorofluoromethane	2.99	101	3065	0.868 ug/l	92
8) Diethyl Ether	3.39	74	1324m	0.941 ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1753	0.872 ug/l #	81
12) 1,1-Dichloroethene	3.69	96	1736	0.922 ug/l	82
14) Allyl chloride	4.27	41	3982	0.876 ug/l	97
15) Acrylonitrile	4.94	53	4726	3.924 ug/l #	88
16) Acetone	3.78	43	7143	4.862 ug/l	98
17) Carbon Disulfide	4.01	76	5858	0.982 ug/l #	85
18) Methyl Acetate	4.28	43	3228	0.979 ug/l #	68
19) Methyl tert-butyl Ether	4.99	73	6972	0.975 ug/l #	84
20) Methylene Chloride	4.50	84	3168	1.174 ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	1848m	0.887 ug/l	
22) Diisopropyl ether	5.91	45	7826	0.864 ug/l	98
23) Vinyl Acetate	5.85	43	30835	4.381 ug/l	99
24) 1,1-Dichloroethane	5.80	63	4249	0.938 ug/l #	85
25) 2-Butanone	6.79	43	7715	4.098 ug/l	99
26) 2,2-Dichloropropane	6.78	77	3428	0.931 ug/l #	75
27) cis-1,2-Dichloroethene	6.78	96	2067	0.869 ug/l	86
28) Bromochloromethane	7.15	49	2542	1.021 ug/l #	92
29) Tetrahydrofuran	7.17	42	5236	4.357 ug/l	93
30) Chloroform	7.33	83	3704	0.846 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	3094	0.845 ug/l #	53
36) 1,1-Dichloropropene	7.75	75	2994	0.913 ug/l	91
37) Ethyl Acetate	6.89	43	3873	1.014 ug/l #	70
38) Carbon Tetrachloride	7.74	117	2535m	0.783 ug/l	
39) Methylcyclohexane	9.05	83	2793	0.791 ug/l	88
40) Benzene	8.00	78	8295	0.889 ug/l	93
41) Methacrylonitrile	7.12	41	1298	0.682 ug/l #	65
42) 1,2-Dichloroethane	8.08	62	2945	0.735 ug/l	80
43) Isopropyl Acetate	8.13	43	4849	0.760 ug/l #	87

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.80	130	1874	0.846	ug/l	97
45) 1,2-Dichloropropane	9.08	63	2390	0.873	ug/l #	85
46) Dibromomethane	9.17	93	1311	0.785	ug/l	96
47) Bromodichloromethane	9.37	83	2863	0.803	ug/l #	96
48) Methyl methacrylate	9.17	41	2433	0.751	ug/l	89
49) 1,4-Dioxane	9.16	88	690m	15.491	ug/l	
51) 4-Methyl-2-Pentanone	9.95	43	13857	4.028	ug/l	97
52) Toluene	10.12	92	4569	0.826	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	2935	0.765	ug/l	93
54) cis-1,3-Dichloropropene	9.81	75	3610	0.874	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	1769	0.793	ug/l #	87
56) Ethyl methacrylate	10.40	69	2506	0.696	ug/l #	82
57) 1,3-Dichloropropane	10.68	76	3256	0.789	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.66	63	5320	4.177	ug/l #	89
59) 2-Hexanone	10.73	43	9778	3.786	ug/l	95
60) Dibromochloromethane	10.88	129	1896	0.755	ug/l	91
61) 1,2-Dibromoethane	10.98	107	1797	0.789	ug/l	95
64) Tetrachloroethene	10.60	164	1547	0.860	ug/l	91
65) Chlorobenzene	11.41	112	4888	0.851	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	1715	0.796	ug/l #	60
67) Ethyl Benzene	11.48	91	8875	0.873	ug/l	98
68) m/p-Xylenes	11.59	106	6099	1.641	ug/l	100
69) o-Xylene	11.92	106	3056	0.834	ug/l	98
70) Styrene	11.94	104	4276	0.706	ug/l	94
71) Bromoform	12.10	173	1057	0.629	ug/l #	90
73) Isopropylbenzene	12.22	105	7874	1.035	ug/l	100
74) N-amyl acetate	12.05	43	2778	0.689	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.48	83	2629	0.987	ug/l #	96
76) 1,2,3-Trichloropropane	12.53	75	2457m	1.003	ug/l	
77) Bromobenzene	12.50	156	1767	0.986	ug/l	98
78) n-propylbenzene	12.57	91	8709	1.003	ug/l	97
79) 2-Chlorotoluene	12.65	91	5385	0.976	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	5762	0.905	ug/l	99
82) 4-Chlorotoluene	12.75	91	5246	0.931	ug/l	99
83) tert-Butylbenzene	12.97	119	5137	0.946	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	5719	0.907	ug/l	100
85) sec-Butylbenzene	13.15	105	6412	0.925	ug/l	98
86) p-Isopropyltoluene	13.26	119	5351	0.857	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	2685	0.836	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	3263m	0.984	ug/l	
89) n-Butylbenzene	13.59	91	4842	0.900	ug/l	95
90) Hexachloroethane	13.85	117	1084	0.819	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	2676	0.870	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	368	0.715	ug/l	71
93) 1,2,4-Trichlorobenzene	14.89	180	677	0.470	ug/l	89
94) Hexachlorobutadiene	14.98	225	767	0.851	ug/l	87
95) Naphthalene	15.11	128	2386	0.625	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.28	180	1005	0.680	ug/l #	80

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MSVOA_N
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VSTDICC001

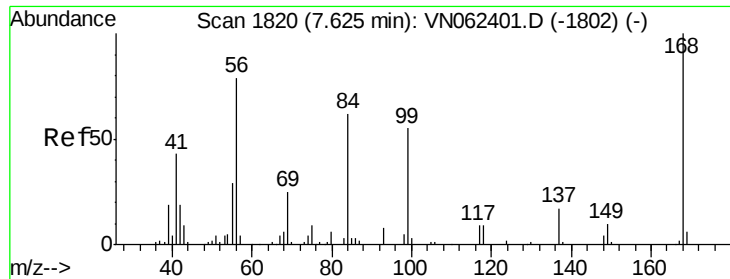
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 181500

Ion Ratio Lower Upper

168 100

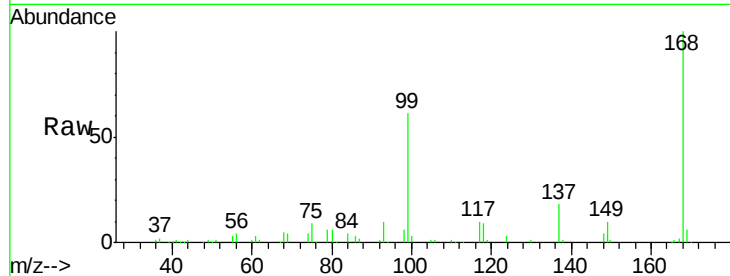
99 61.2 48.8 73.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

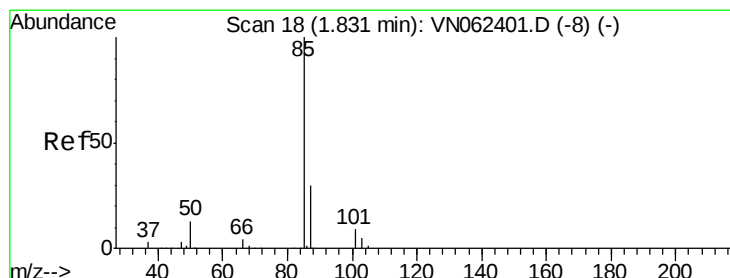
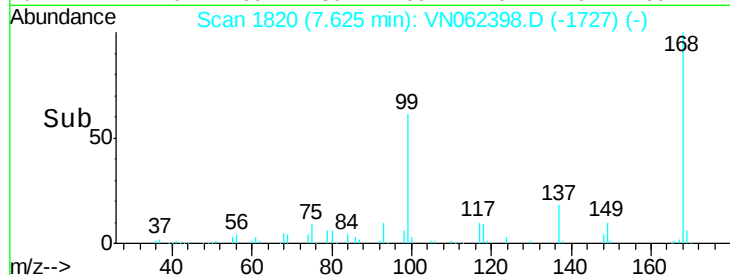
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.863 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062398.D

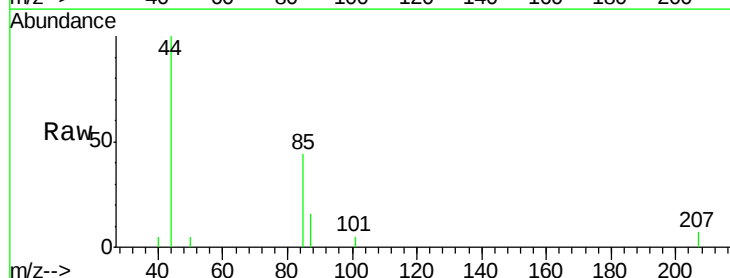
Acq: 8 Jul 2020 10:14

Tgt Ion: 85 Resp: 1757

Ion Ratio Lower Upper

85 100

87 37.5 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

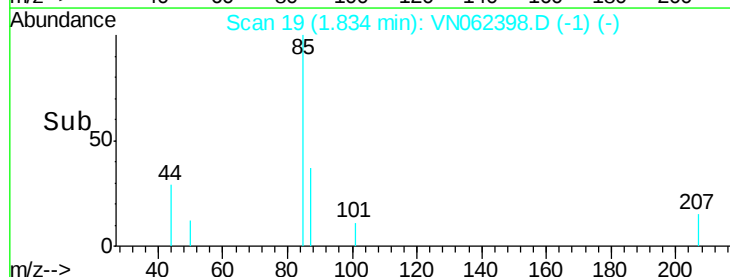
1500

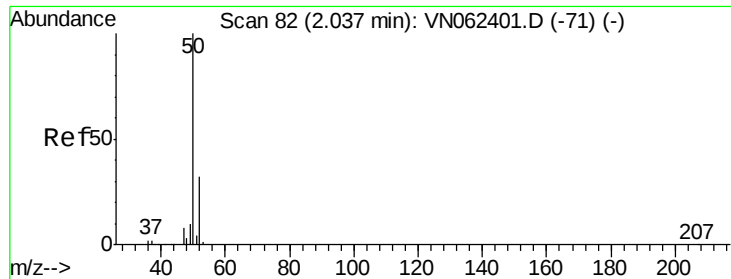
1000

500

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 1.013 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 3105

Ion Ratio Lower Upper

50 100

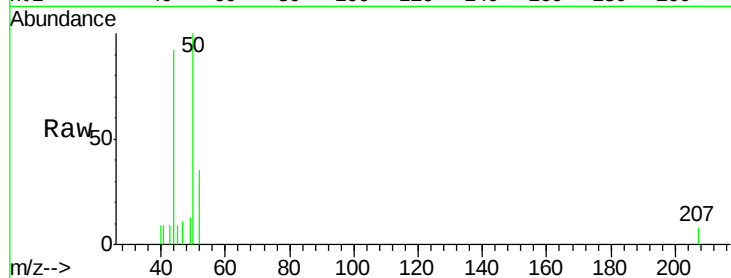
52 34.9 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

2500

2000

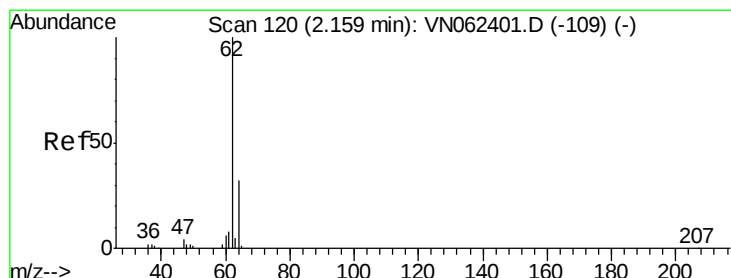
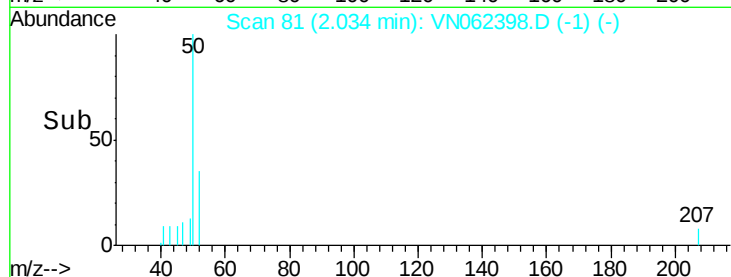
1500

1000

500

0

Time-->



#4

Vinyl Chloride

Concen: 0.893 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062398.D

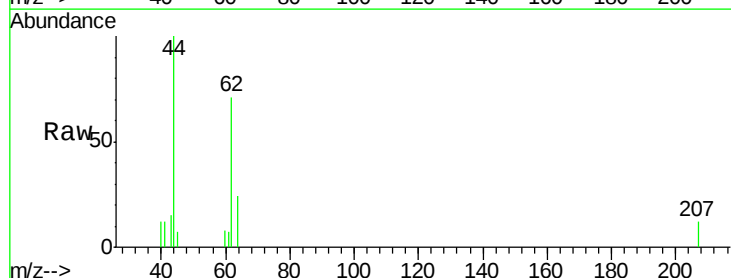
Acq: 8 Jul 2020 10:14

Tgt Ion: 62 Resp: 2328

Ion Ratio Lower Upper

62 100

64 34.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

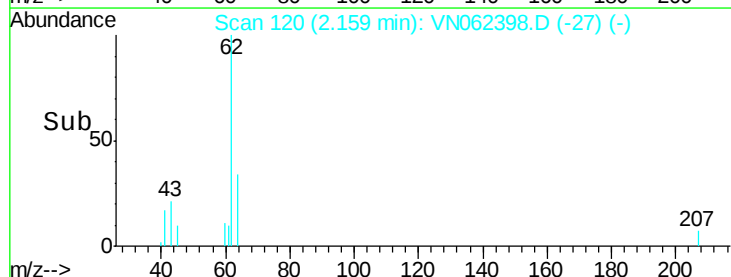
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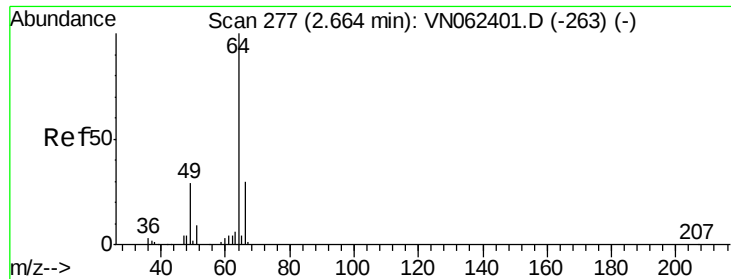
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.879 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 64 Resp: 1336

Ion Ratio Lower Upper

64 100

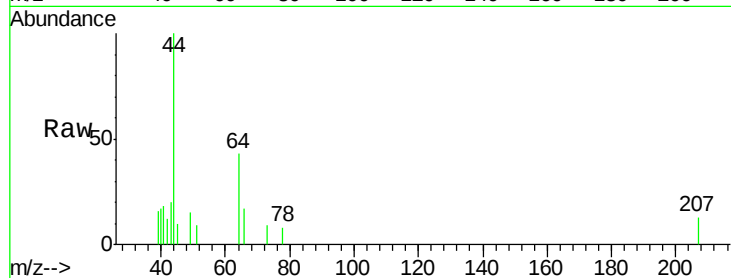
66 38.1 24.2 36.2#

Manual Integrations

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7/9/2020 10:55:24 AM



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

800

600

400

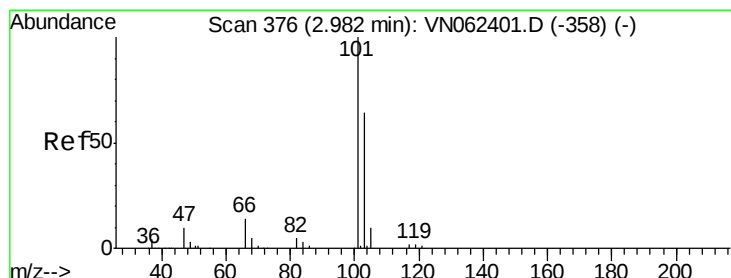
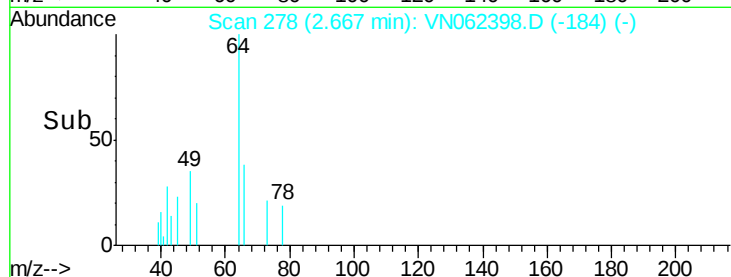
200

0

2.65

2.70

Time-->



#7

Trichlorofluoromethane

Concen: 0.868 ug/l

RT: 2.99 min Scan# 377

Delta R.T. 0.00 min

Lab File: VN062398.D

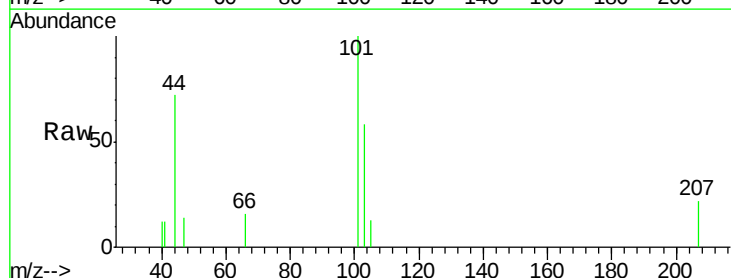
Acq: 8 Jul 2020 10:14

Tgt Ion: 101 Resp: 3065

Ion Ratio Lower Upper

101 100

103 58.3 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.99

1500

1000

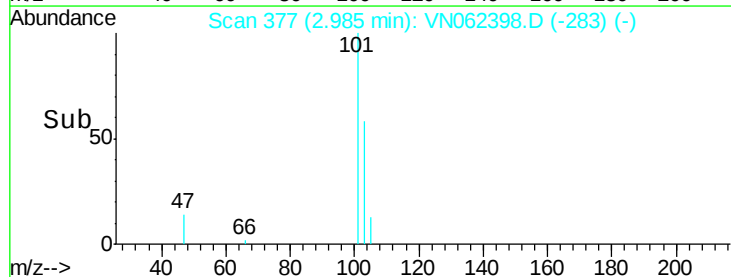
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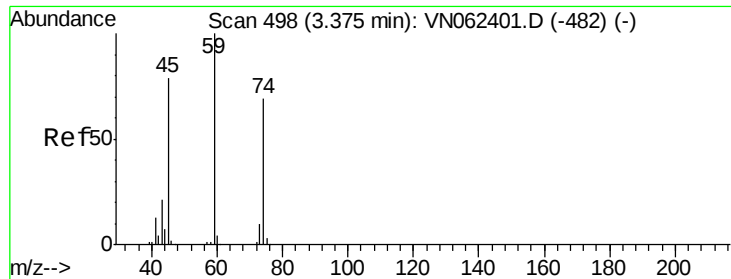
0

2.95

3.00

Time-->





#8

Diethyl Ether

Concen: 0.941 ug/l m

RT: 3.39 min Scan# 502

Delta R.T. 0.01 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 1324

Ion Ratio Lower Upper

74 100

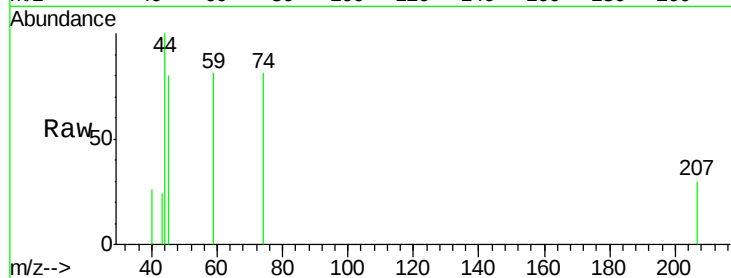
45 123.6 58.5 175.3

Manual Integrations

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7/9/2020 10:55:24 AM

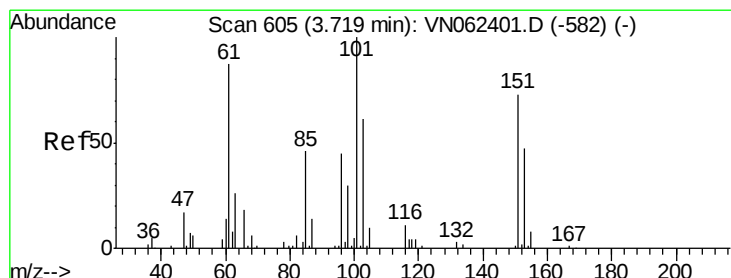
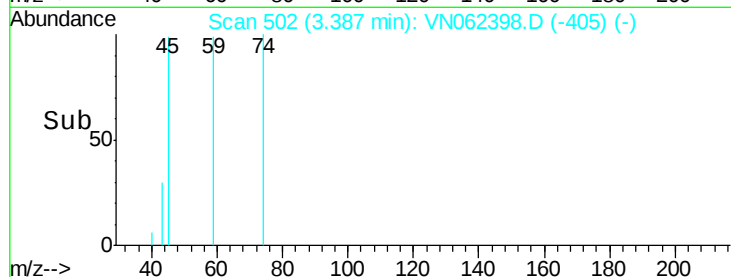


Abundance Ion 74.00 (73.70 to 74.70): VN062398.D (-502) (-)

Ion 45.00 (44.70 to 45.70): VN062398.D (-502) (-)

3.39

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.872 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

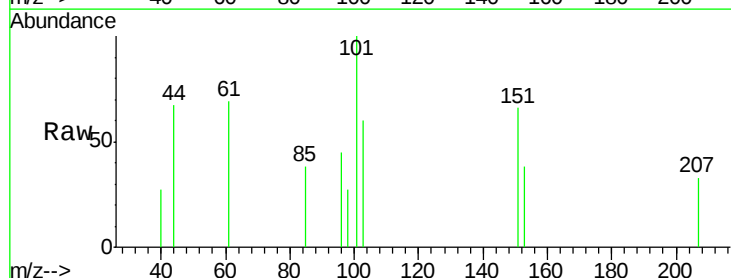
Tgt Ion: 101 Resp: 1753

Ion Ratio Lower Upper

101 100

85 26.1 36.7 55.1#

151 62.1 58.3 87.5



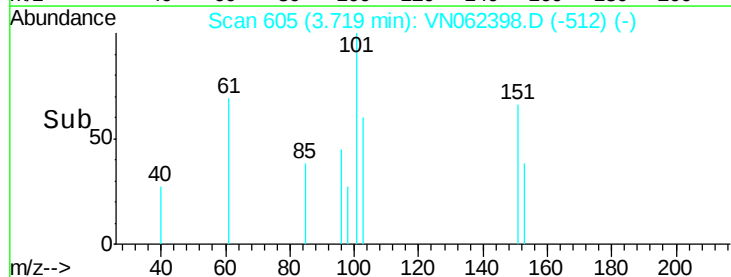
Abundance Ion 100.90 (100.60 to 101.60): VN062398.D (-605) (-)

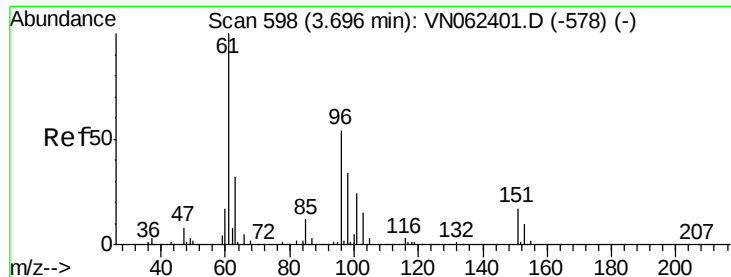
Ion 84.90 (84.60 to 85.60): VN062398.D (-605) (-)

Ion 150.80 (150.50 to 151.50): VN062398.D (-605) (-)

3.72

Time-->





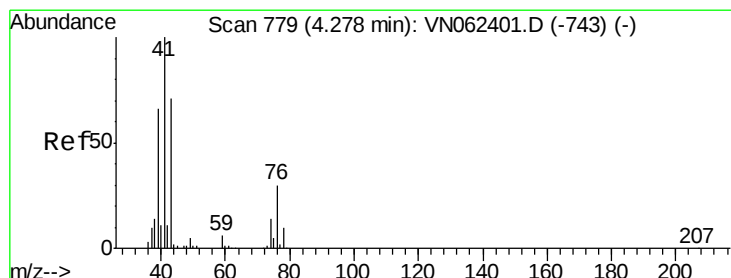
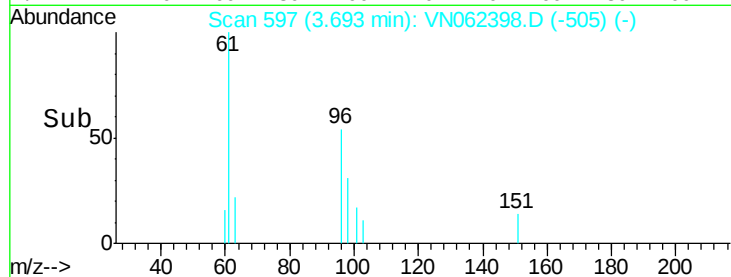
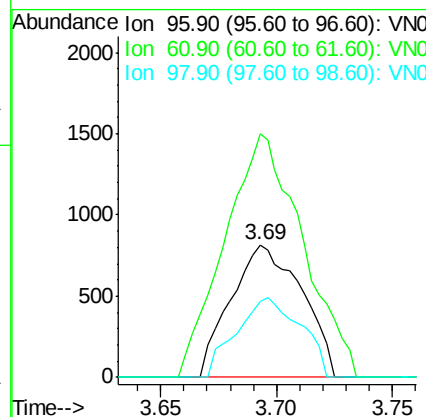
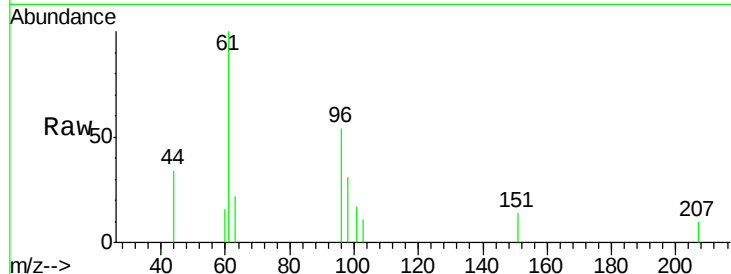
#12
 1,1-Dichloroethene
 Concen: 0.922 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	147.4	221.0
98	57.1	50.4	75.6

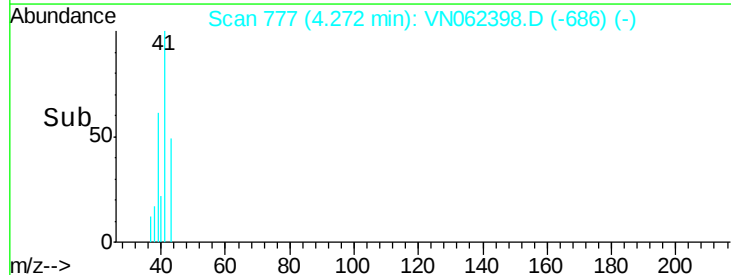
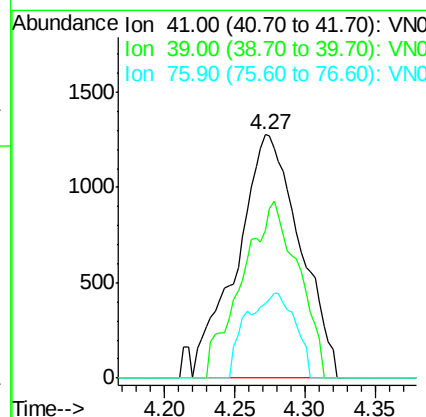
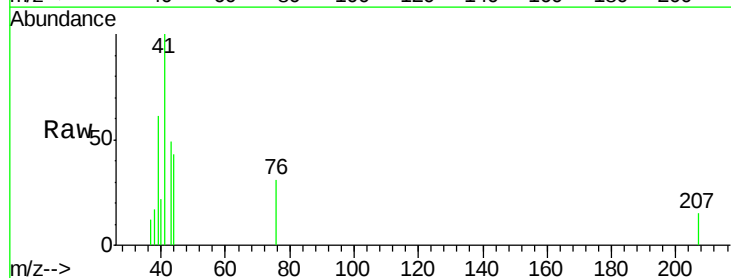
Manual Integrations
 APPROVED

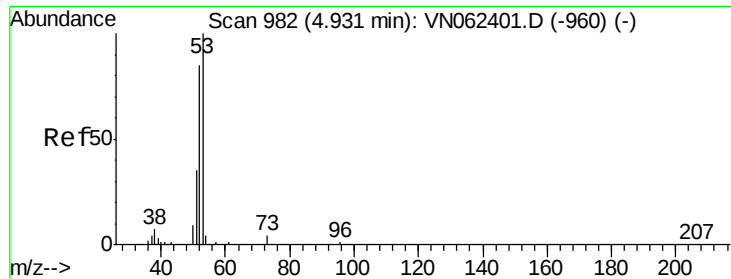
MMDadoda
 7/9/2020 10:55:24 AM



#14
 Allyl chloride
 Concen: 0.876 ug/l
 RT: 4.27 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.8	49.6	74.4
76	27.0	22.2	33.4





#15

Acrylonitrile

Concen: 3.924 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

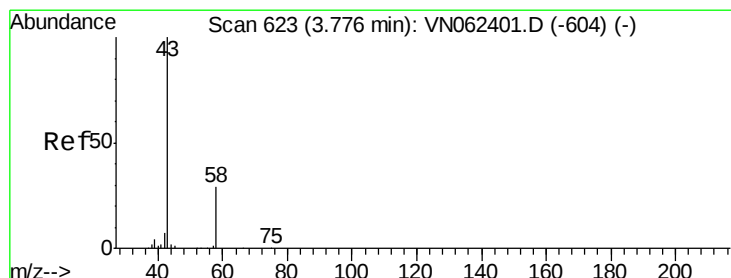
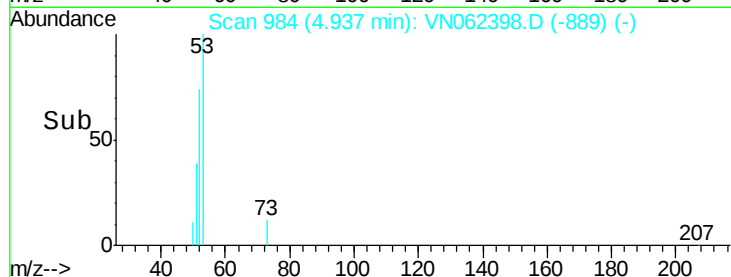
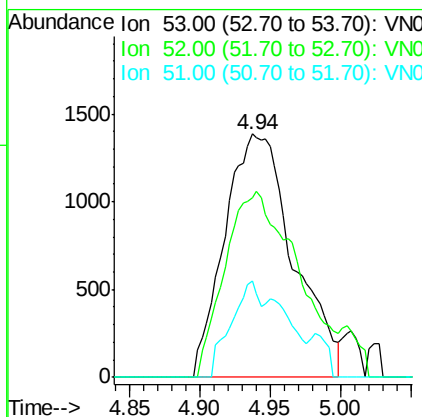
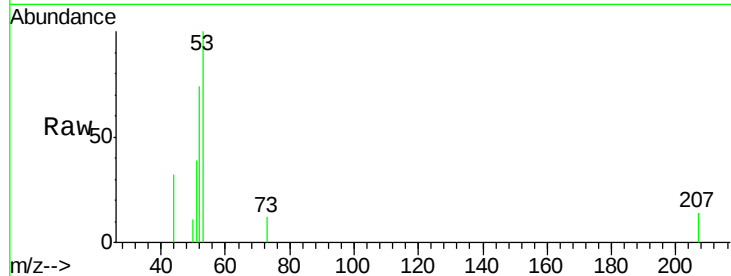
ClientSampled :

VSTDIC001

Tot Ion:	53	Resp:	4726
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.4
51	16.6	28.7	43.1#

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7/9/2020 10:55:24 AM



#16

Acetone

Concen: 4.862 ug/l

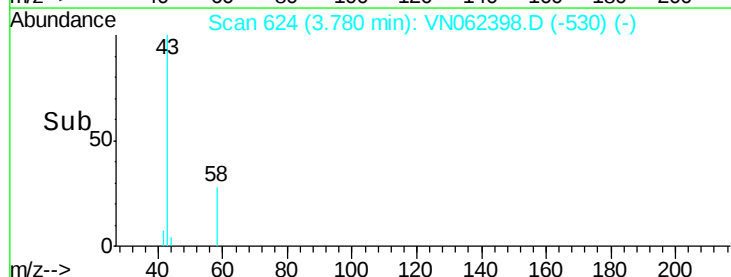
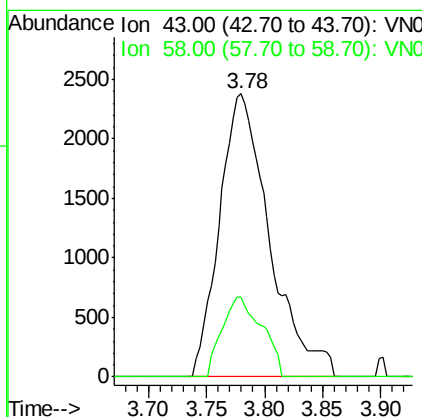
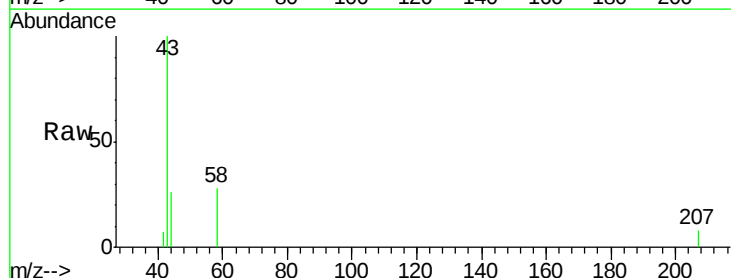
RT: 3.78 min Scan# 624

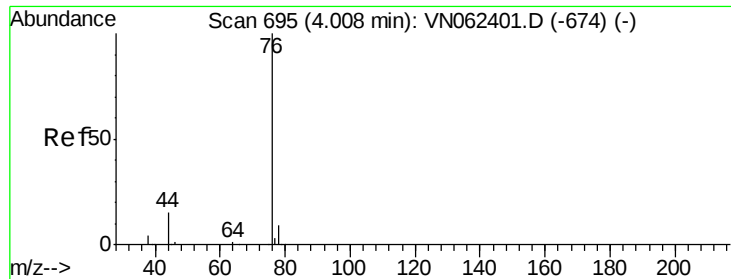
Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion:	43	Resp:	7143
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.5	35.3





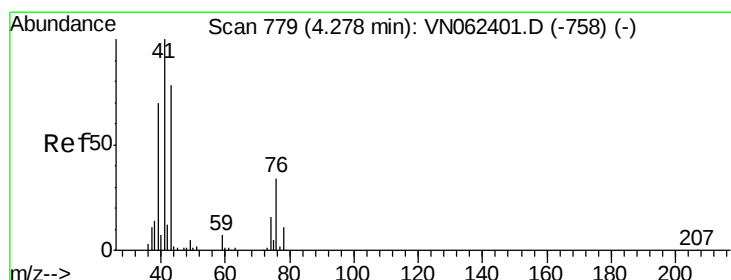
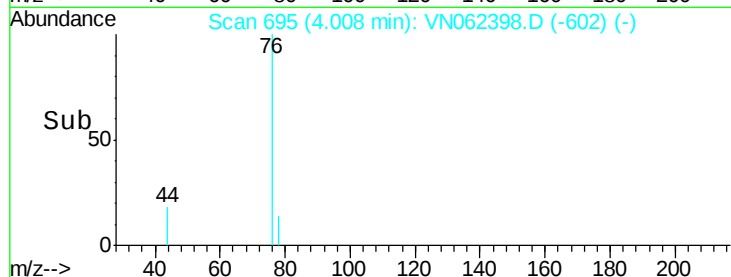
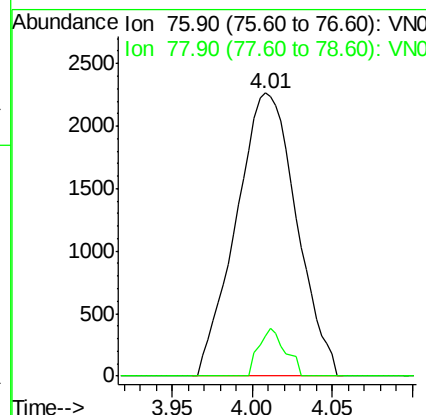
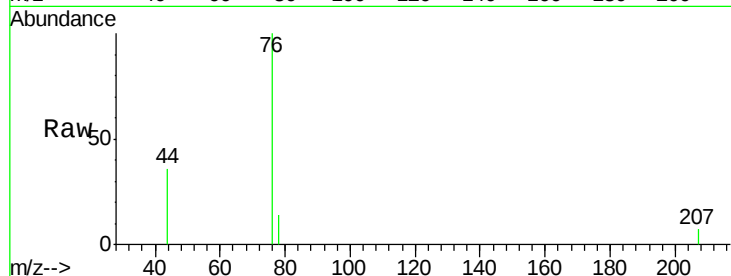
#17
Carbon Disulfide
Concen: 0.982 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 76 Resp: 5858
Ion Ratio Lower Upper
76 100
78 14.4 7.3 10.9#

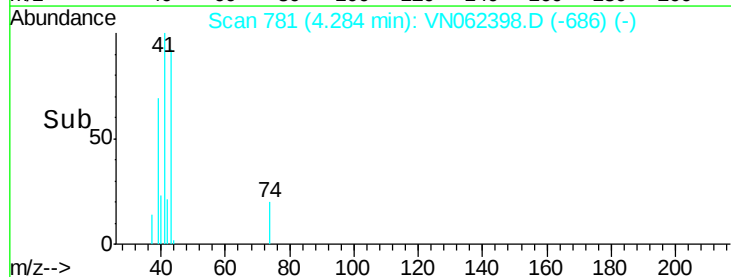
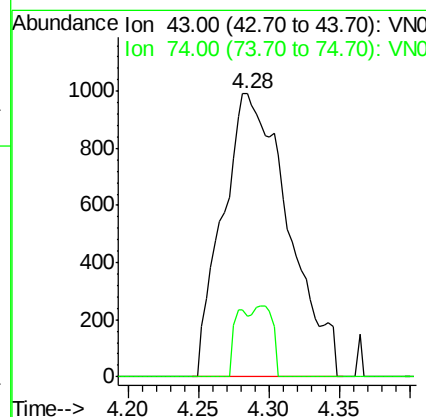
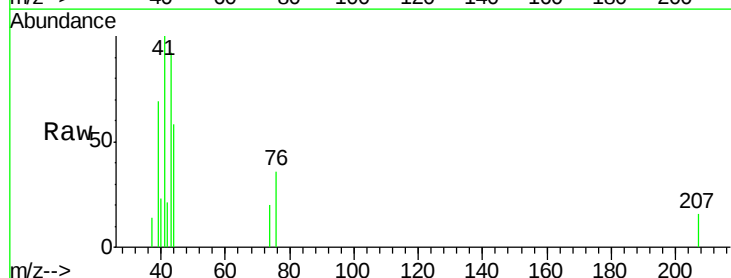
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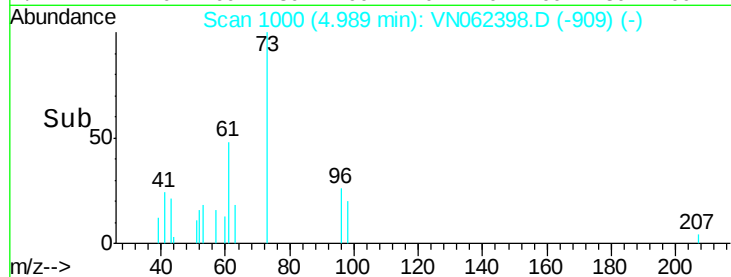
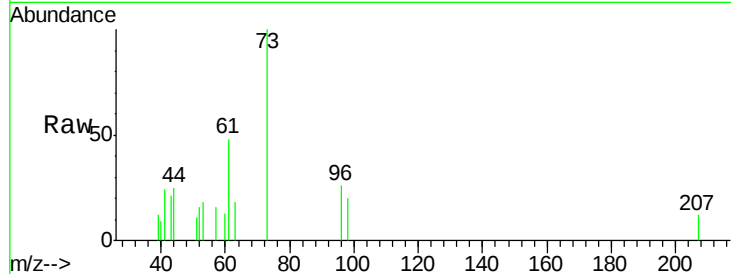
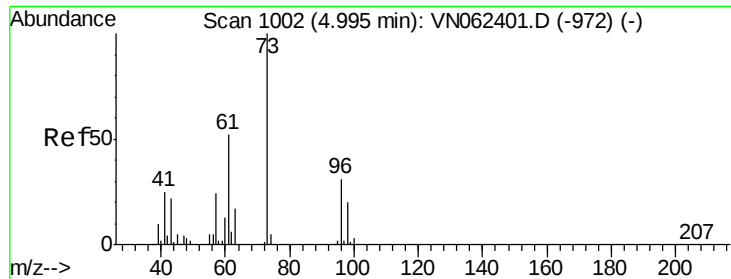
MMDadoda
7/9/2020 10:55:24 AM



#18
Methyl Acetate
Concen: 0.979 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion: 43 Resp: 3228
Ion Ratio Lower Upper
43 100
74 5.2 16.0 24.0#





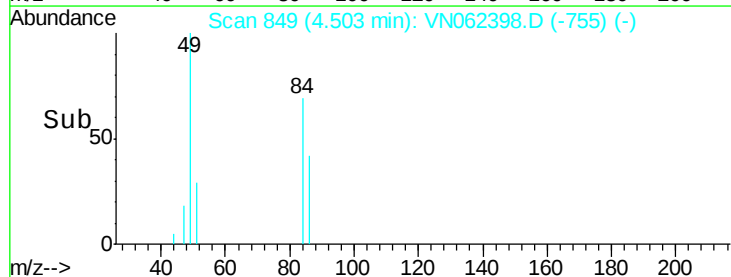
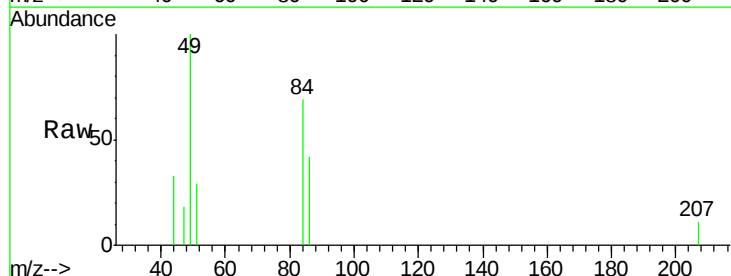
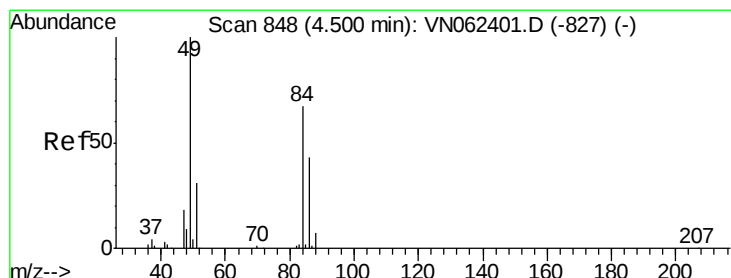
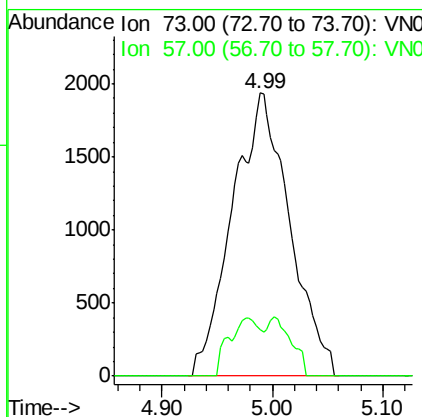
#19
Methyl tert-butyl Ether
Concen: 0.975 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tot Ion: 73 Resp: 6972
Ion Ratio Lower Upper
73 100
57 16.3 19.4 29.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

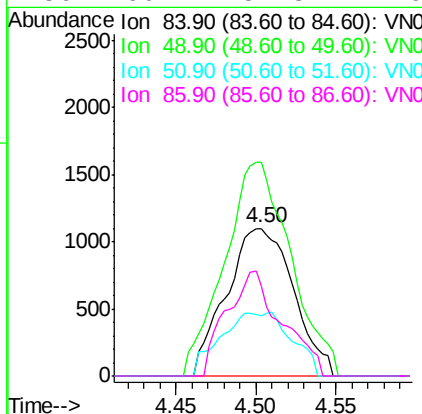
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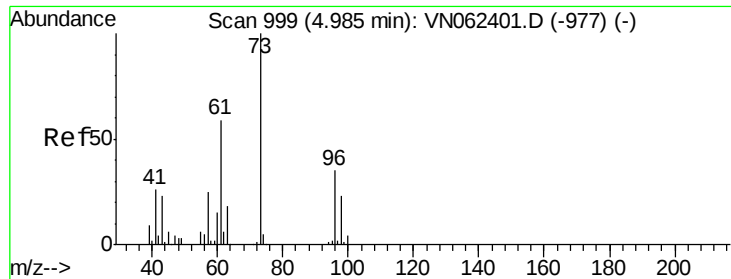
MMDadoda
7/9/2020 10:55:24 AM



#20
Methylene Chloride
Concen: 1.174 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion: 84 Resp: 3168
Ion Ratio Lower Upper
84 100
49 144.7 120.0 180.0
51 41.3 37.0 55.6
86 60.7 51.8 77.6





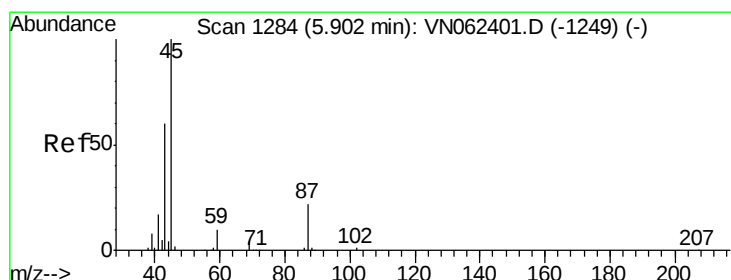
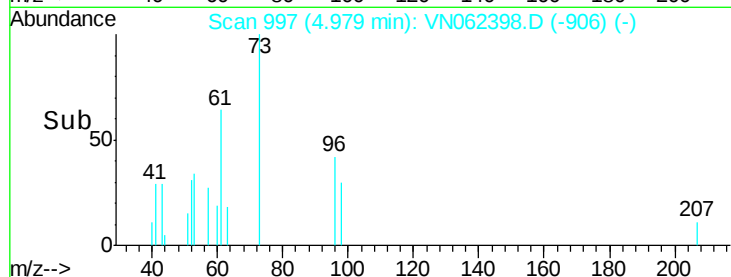
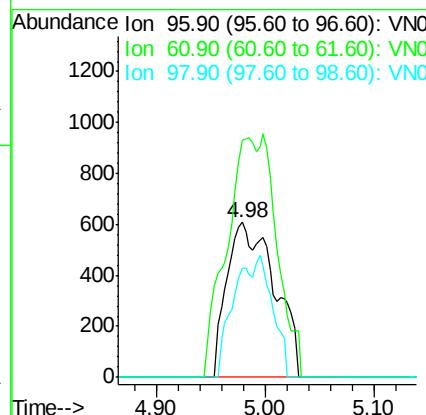
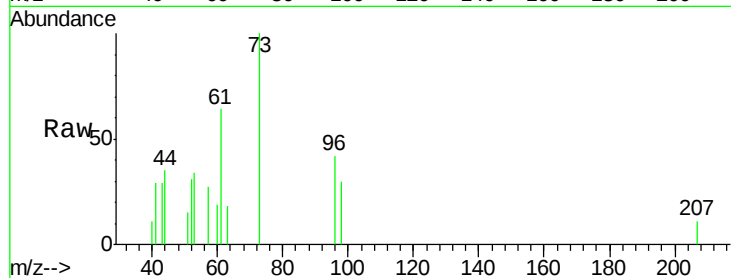
#21
trans-1,2-Dichloroethene
Concen: 0.887 ug/l m
RT: 4.98 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	133.5	200.3
98	70.8	51.9	77.9

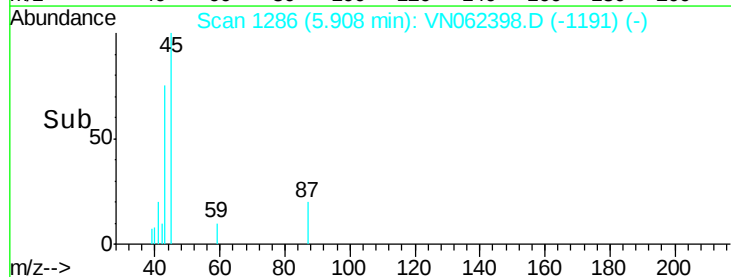
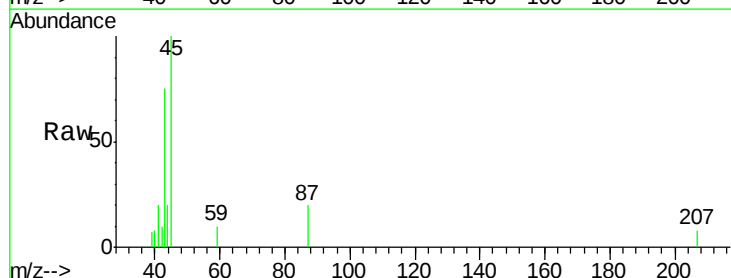
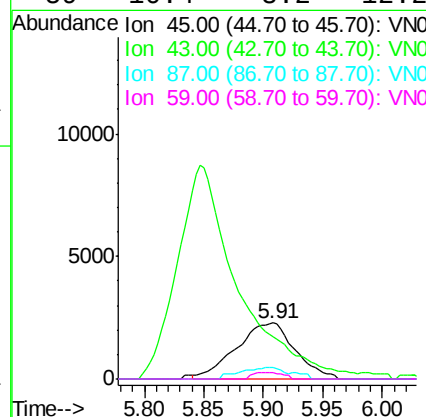
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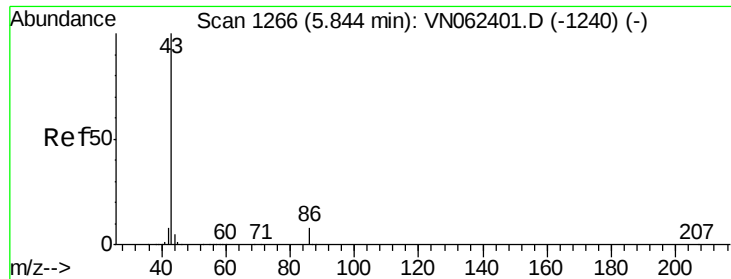
MMDadoda
7/9/2020 10:55:24 AM



#22
Diisopropyl ether
Concen: 0.864 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. 0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	50.1	75.1
87	20.1	18.2	27.4
59	10.4	8.2	12.2





#23

Vinyl Acetate

Concen: 4.381 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 30835

Ion Ratio Lower Upper

43 100

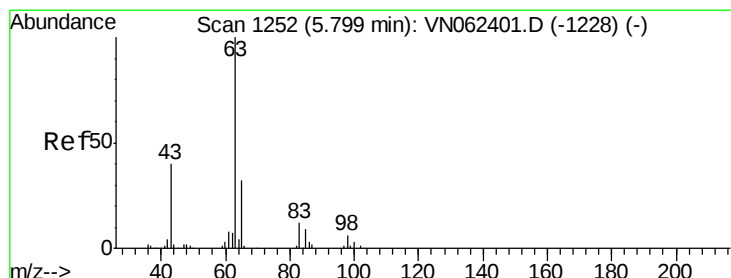
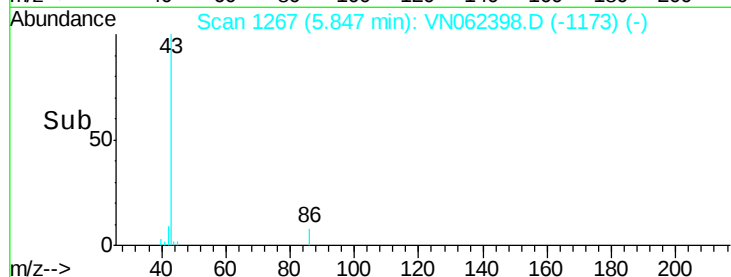
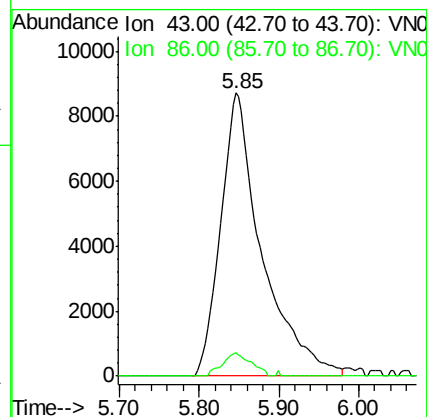
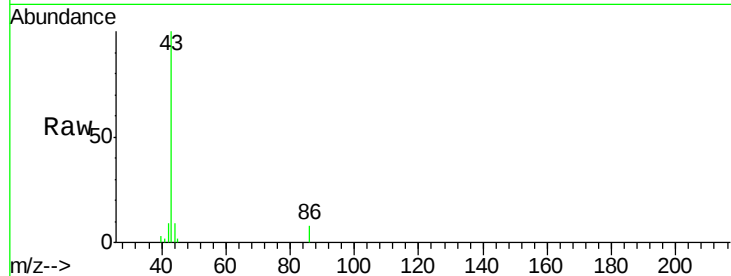
86 8.2 6.7 10.1

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 0.938 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

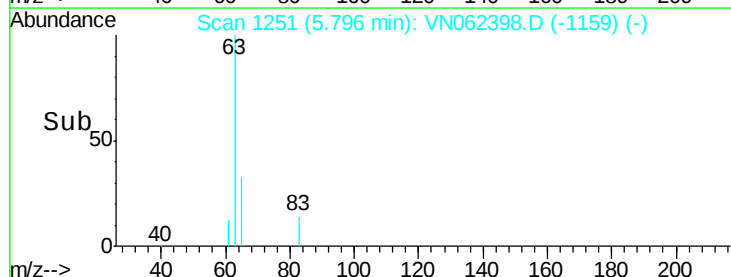
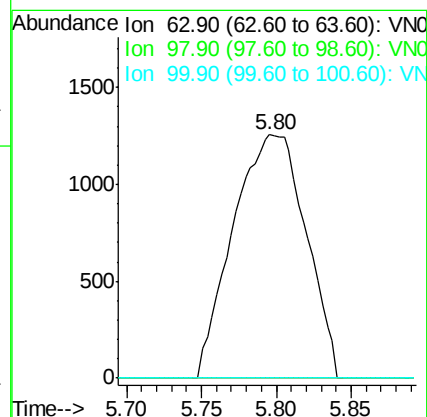
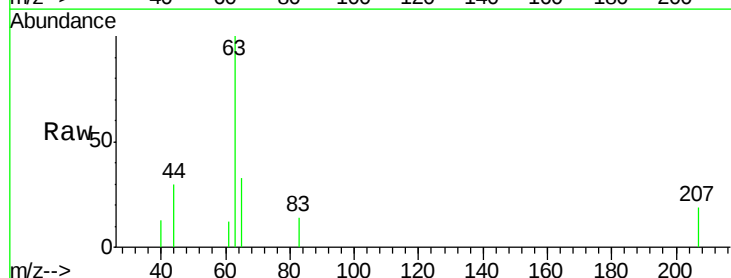
Tgt Ion: 63 Resp: 4249

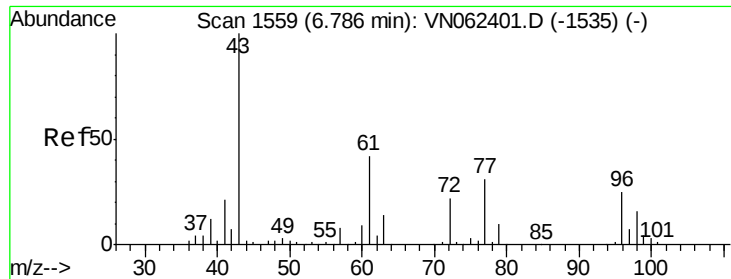
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.8 5.3#





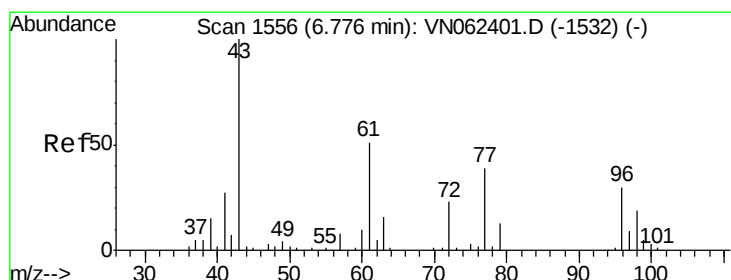
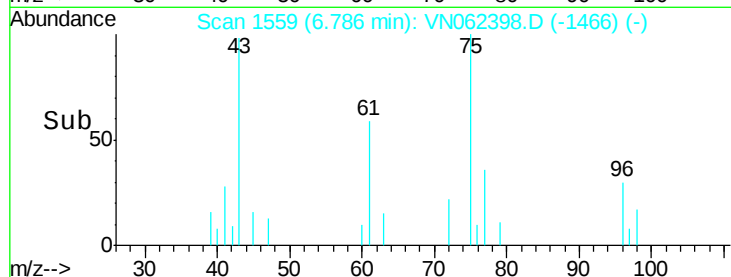
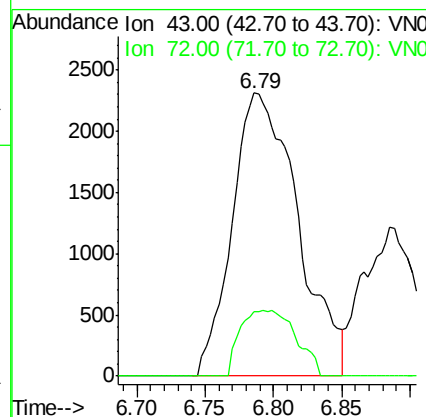
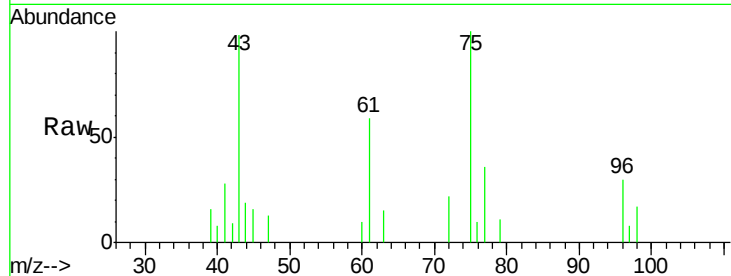
#25
2-Butanone
Concen: 4.098 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 7715
Ion Ratio Lower Upper
43 100
72 22.7 17.9 26.9

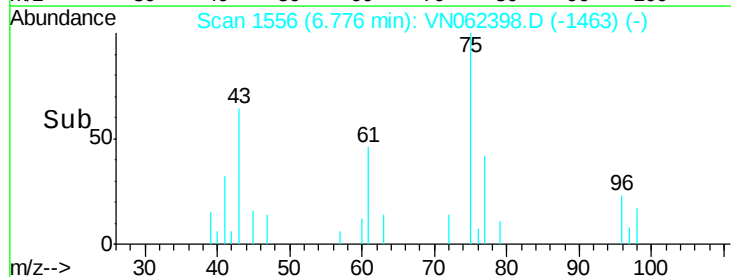
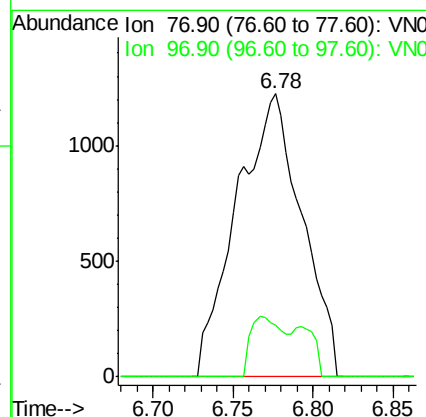
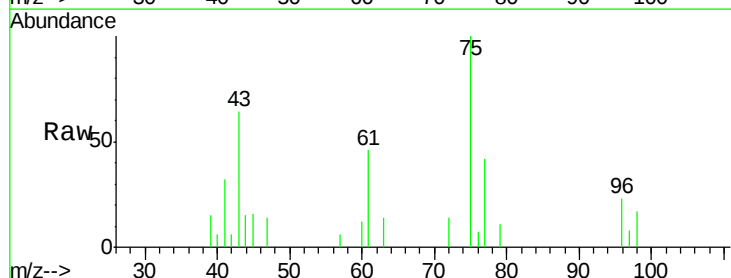
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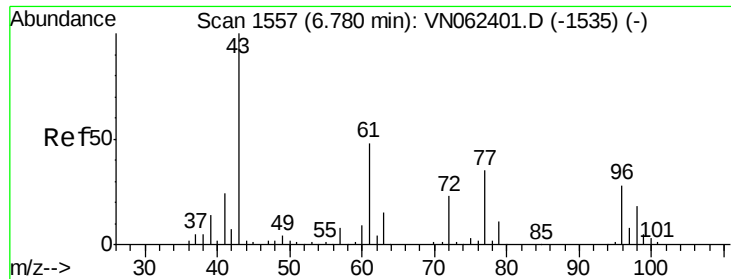
MMDadoda
7/9/2020 10:55:24 AM



#26
2,2-Dichloropropane
Concen: 0.931 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion: 77 Resp: 3428
Ion Ratio Lower Upper
77 100
97 10.0 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.869 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

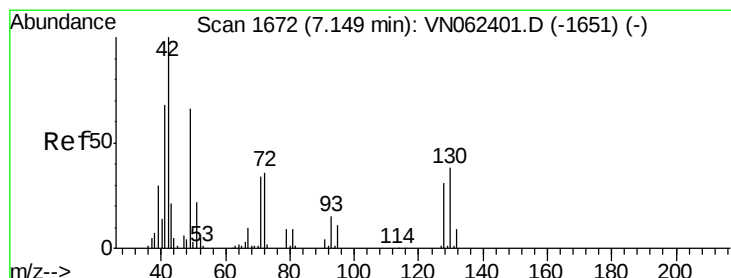
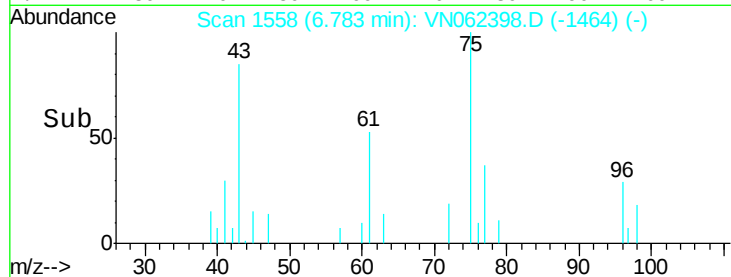
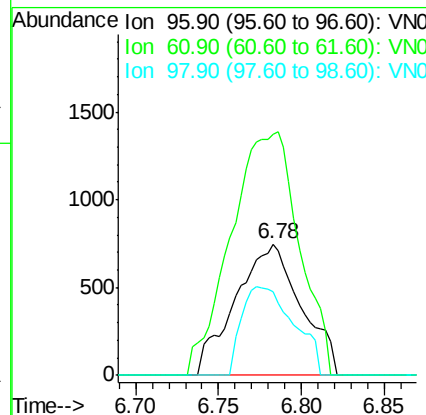
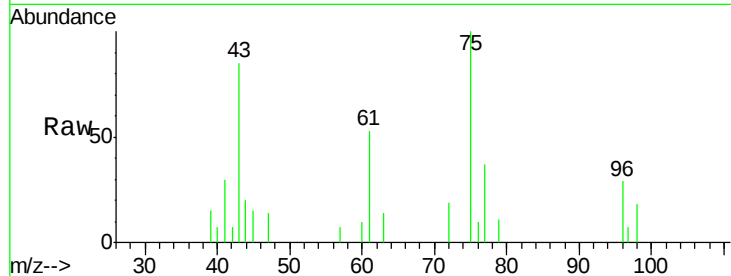
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	2067
Ion	Ratio	Lower	Upper
96	100		
61	191.7	0.0	343.4
98	53.4	0.0	128.4

Manual Integrations
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MMDadoda
7/9/2020 10:55:24 AM



#28

Bromochloromethane

Concen: 1.021 ug/l

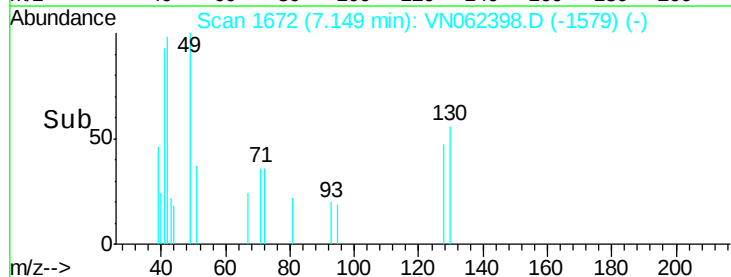
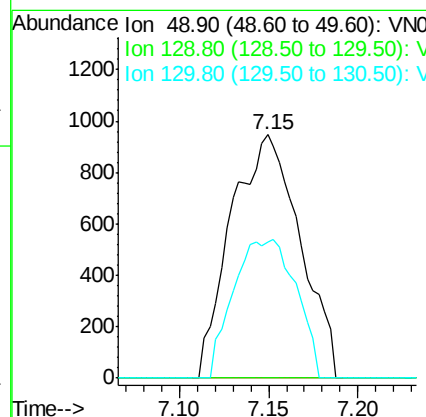
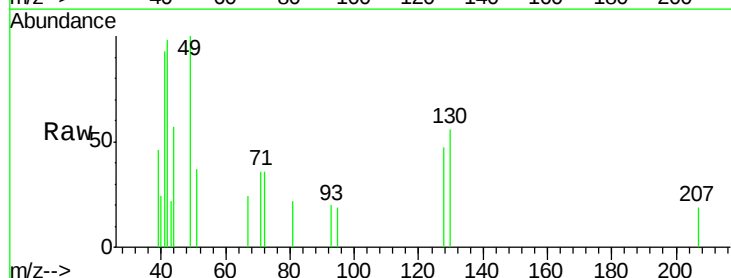
RT: 7.15 min Scan# 1672

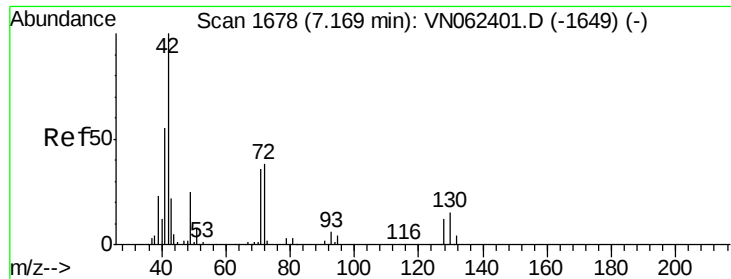
Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion:	49	Resp:	2542
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	51.7	46.5	69.7





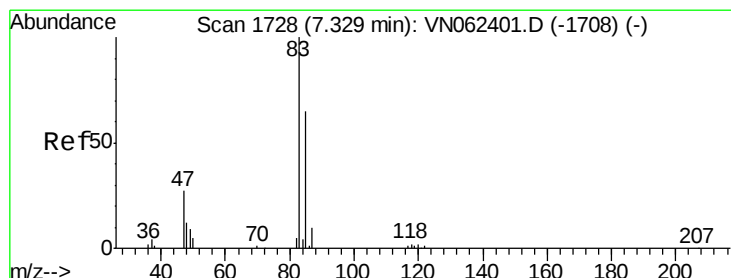
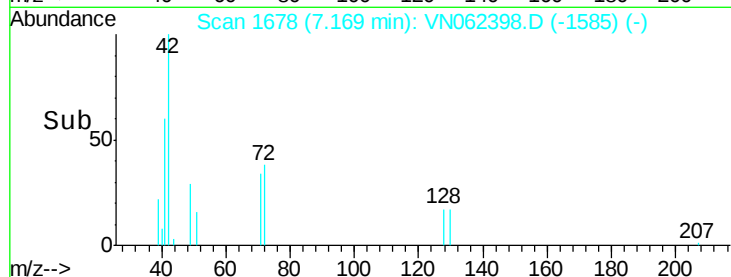
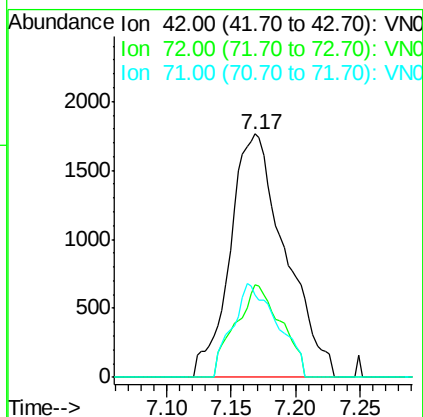
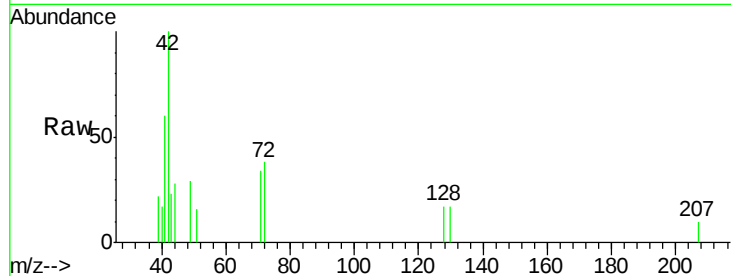
#29
Tetrahydrofuran
Concen: 4.357 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.4	29.1	43.7
71	31.6	28.1	42.1

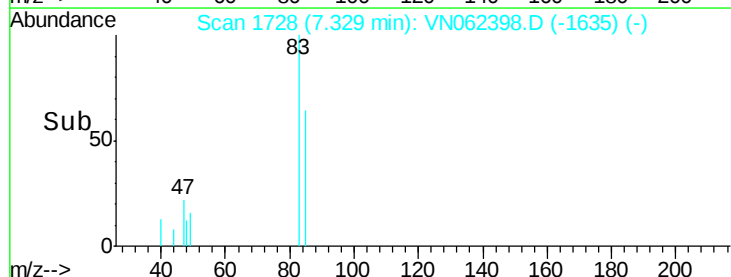
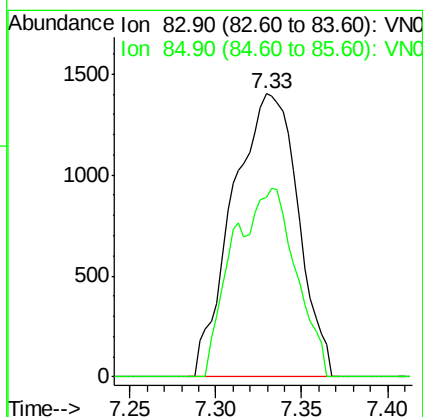
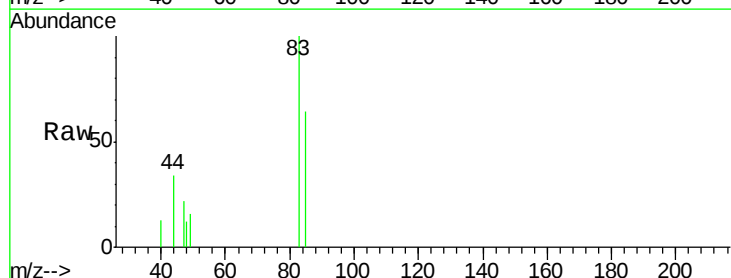
Manual Integrations
APPROVED

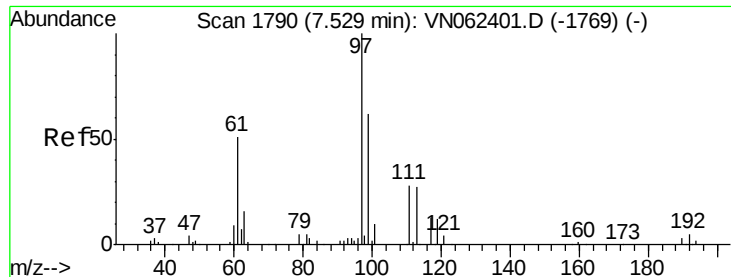
MMDadoda
7/9/2020 10:55:24 AM



#30
Chloroform
Concen: 0.846 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





#32

1,1,1-Trichloroethane

Concen: 0.845 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

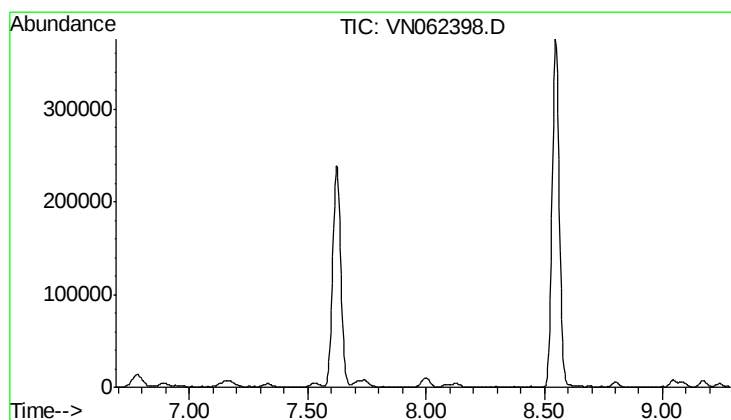
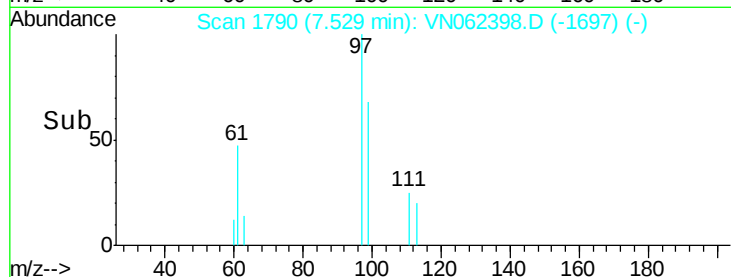
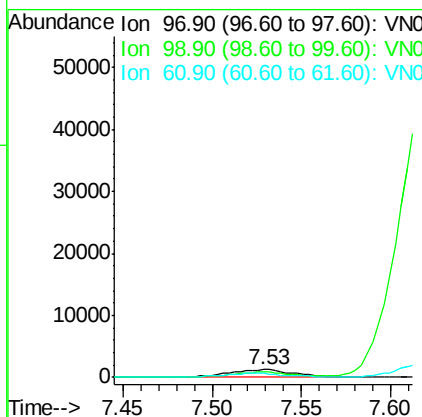
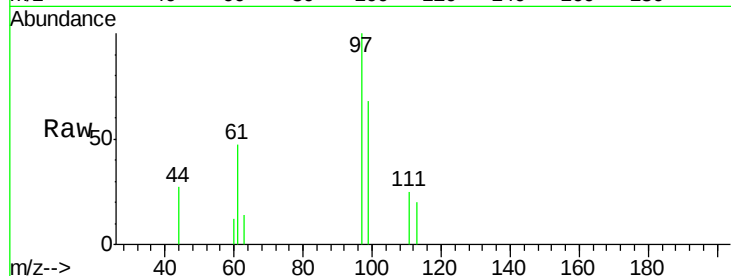
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	3094
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	47.9	39.9	59.9

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MMDadoda
7/9/2020 10:55:24 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 7.99 min

Lab File: VN062398.D

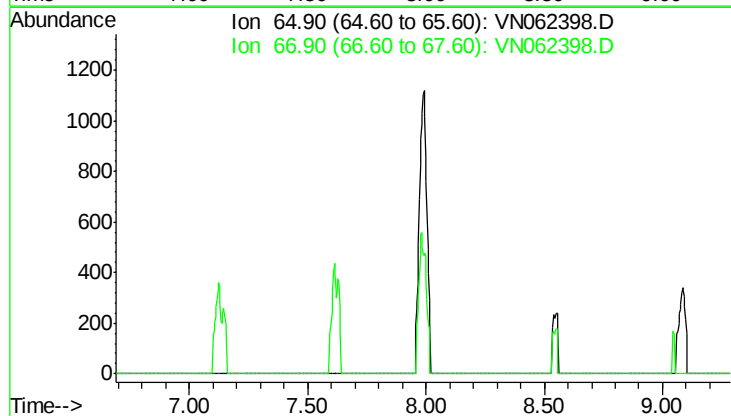
Acq: 8 Jul 2020 10:14

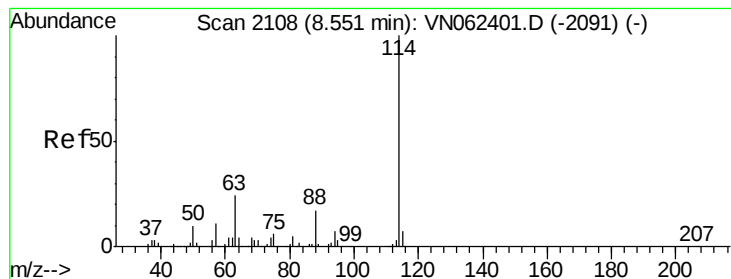
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

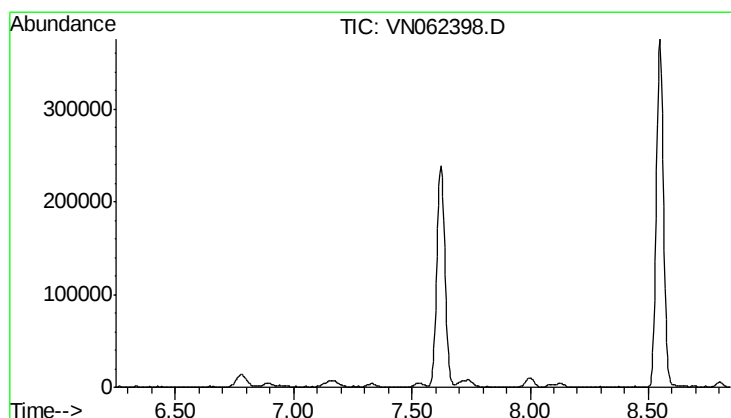
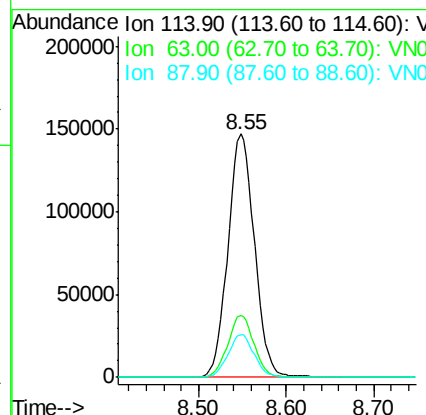
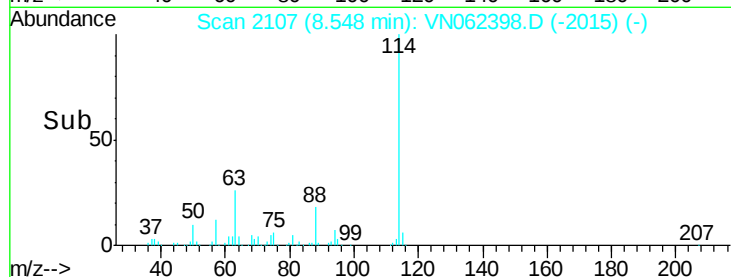
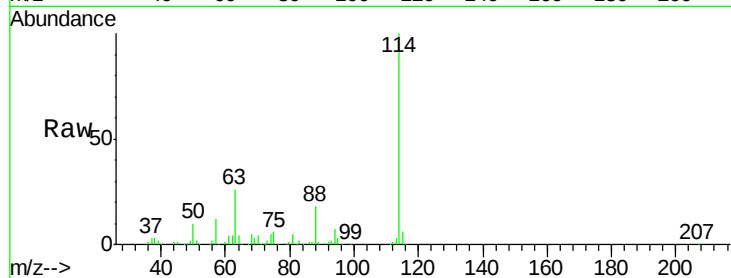
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
114	100			
63	25.5	0.0	48.4	
88	17.6	0.0	33.8	

Manual Integrations
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7/9/2020 10:55:24 AM



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.55 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

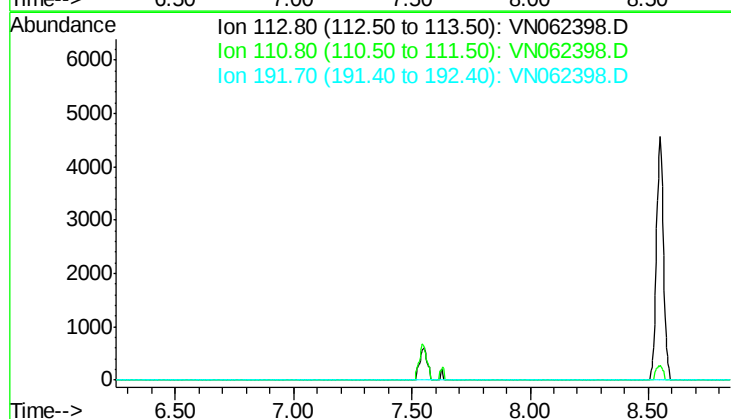
Tgt Ion: 113

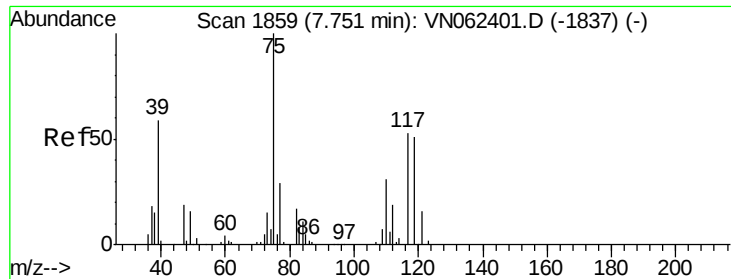
Sig Exp Ratio

113 100

111 103.9

192 17.6





#36

1,1-Dichloropropene

Concen: 0.913 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

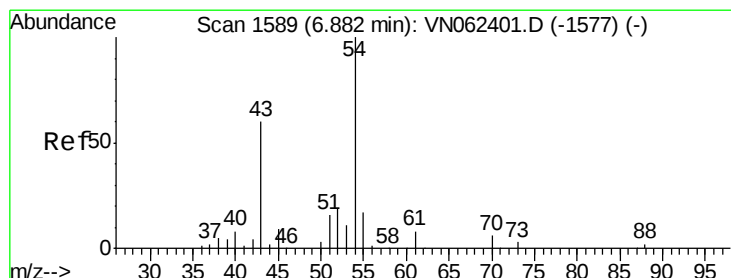
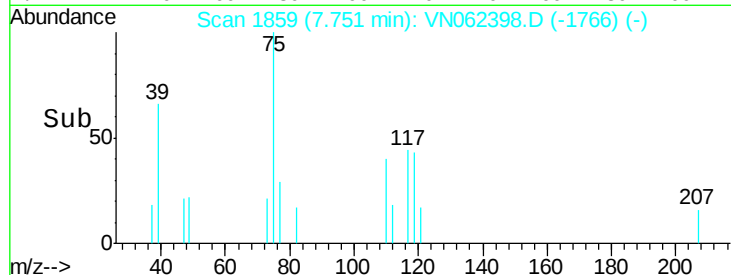
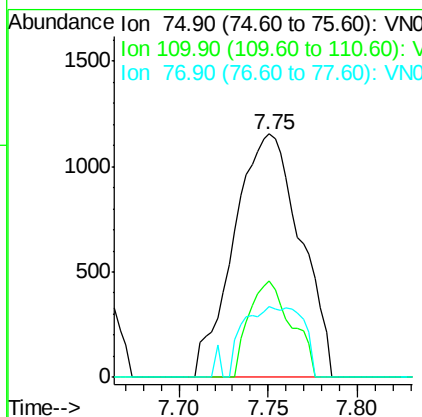
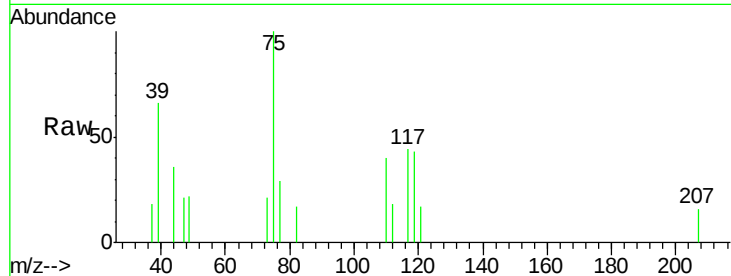
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	2994
Ion	Ratio	Lower	Upper
75	100		
110	25.5	15.4	46.2
77	26.0	24.1	36.1

Manual Integrations
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MMDadoda
7/9/2020 10:55:24 AM



#37

Ethyl Acetate

Concen: 1.014 ug/l

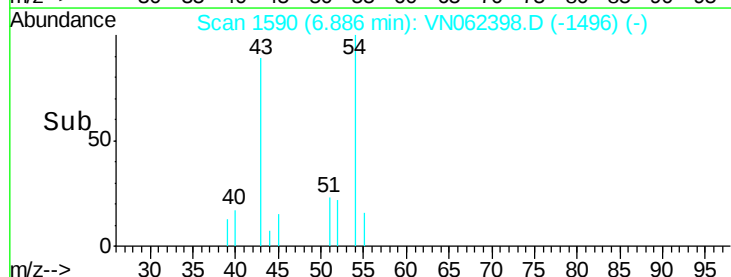
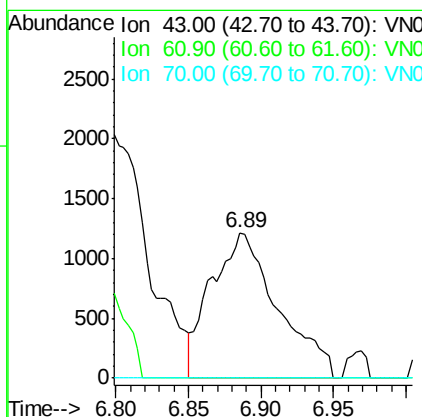
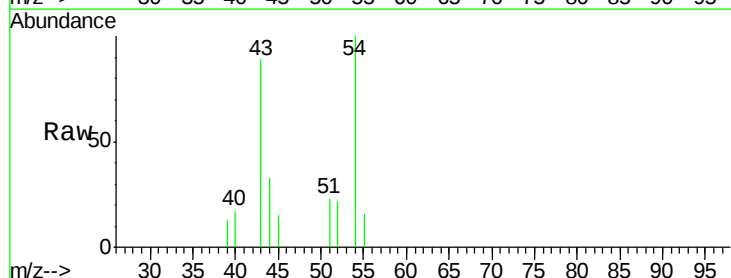
RT: 6.89 min Scan# 1590

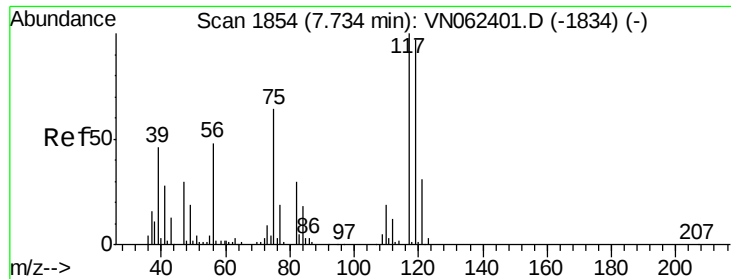
Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion:	43	Resp:	3873
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.2	10.8#





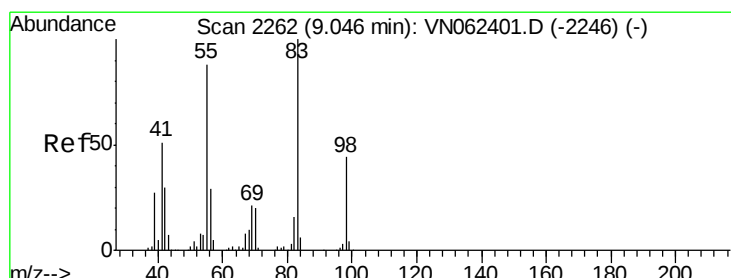
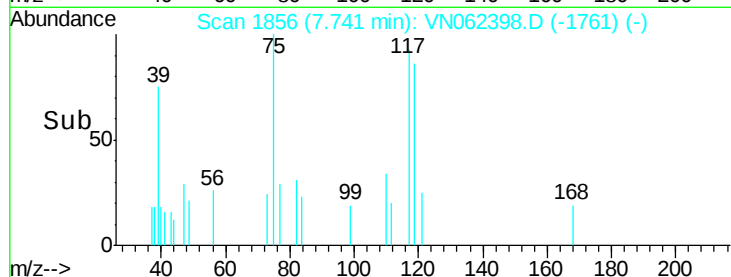
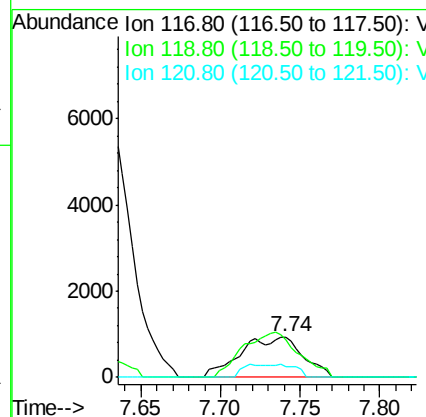
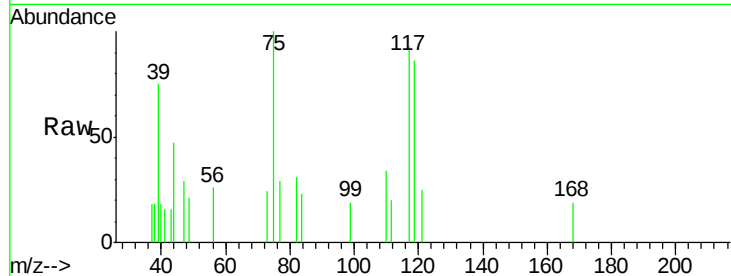
#38
Carbon Tetrachloride
Concen: 0.783 ug/l m
RT: 7.74 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.3	77.2	115.8
121	27.0	24.8	37.2

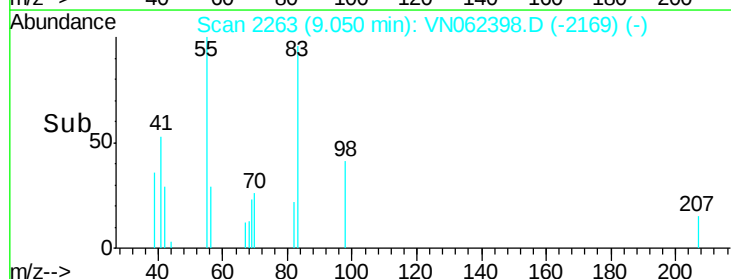
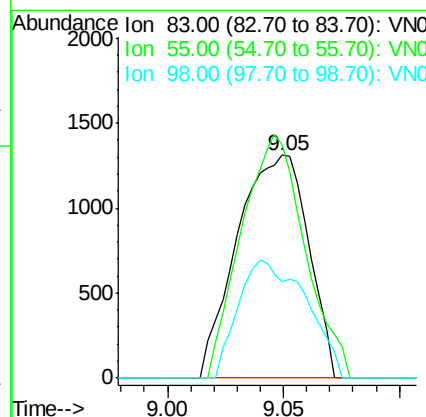
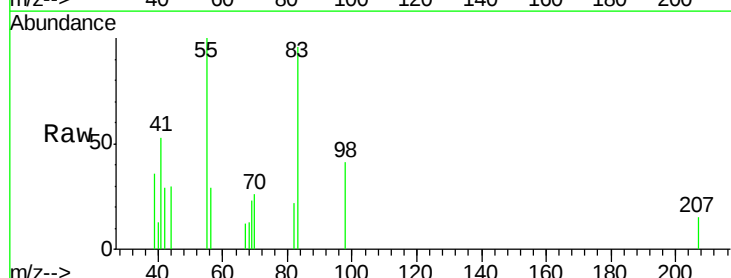
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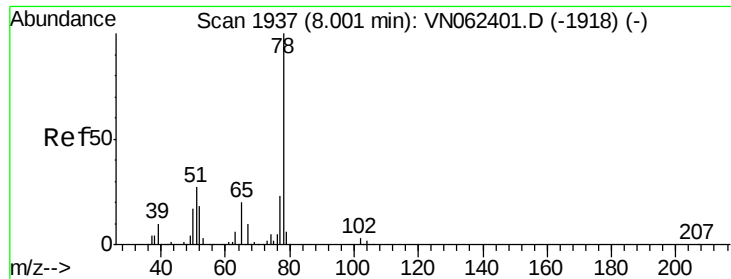
MMDadoda
7/9/2020 10:55:24 AM



#39
Methylcyclohexane
Concen: 0.791 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	104.5	70.5	105.7
98	43.2	35.5	53.3





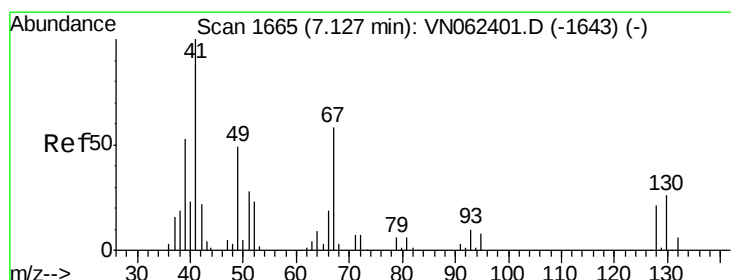
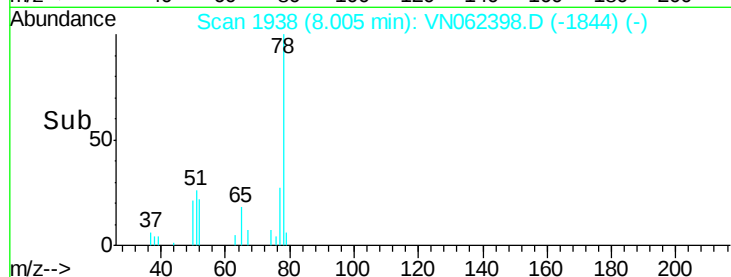
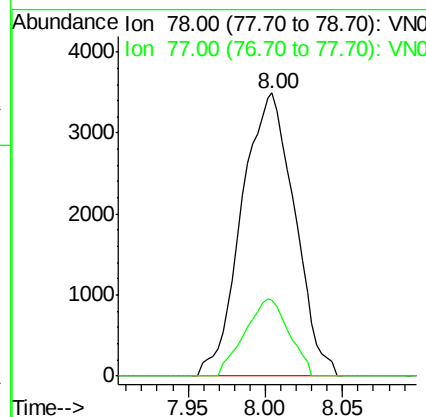
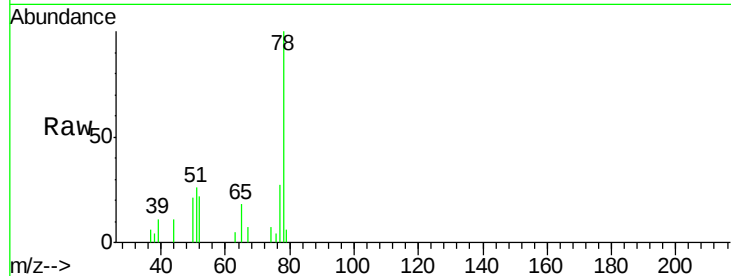
#40
Benzene
Concen: 0.889 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 8295
Ion Ratio Lower Upper
78 100
77 27.0 18.7 28.1

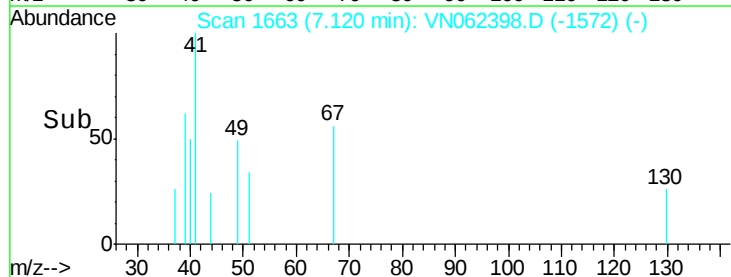
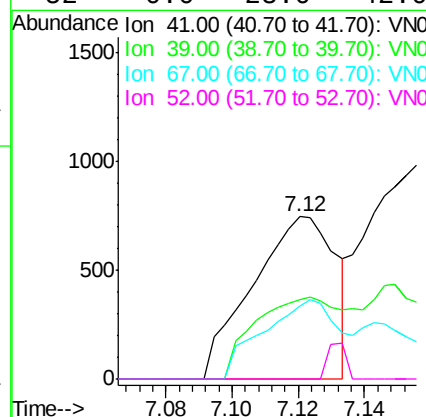
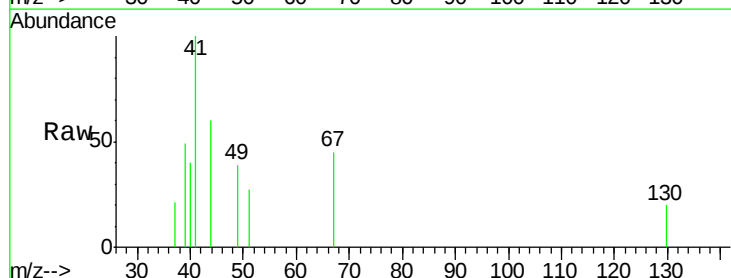
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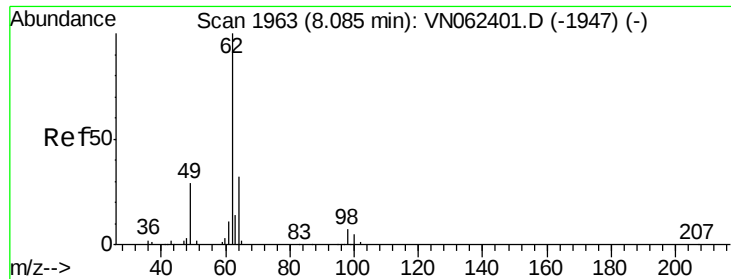
MMDadoda
7/9/2020 10:55:24 AM



#41
Methacrylonitrile
Concen: 0.682 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion: 41 Resp: 1298
Ion Ratio Lower Upper
41 100
39 50.5 50.2 75.2
67 45.3 64.2 96.2#
52 0.0 28.0 42.0#





#42

1,2-Dichloroethane

Concen: 0.735 ug/l

RT: 8.08 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 2945

Ion Ratio Lower Upper

62 100

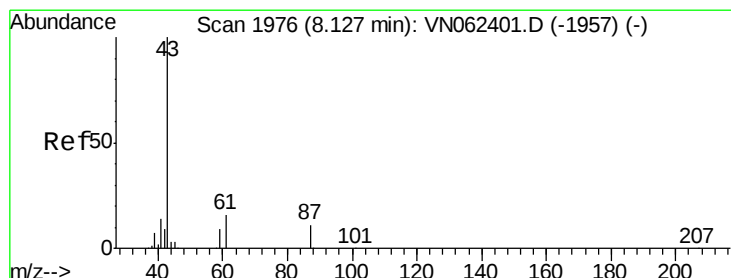
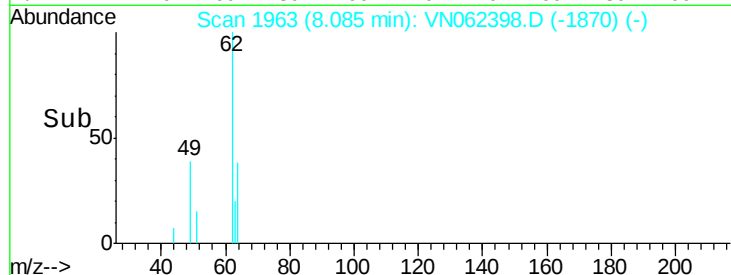
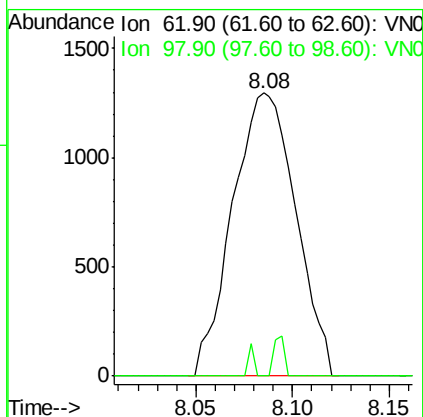
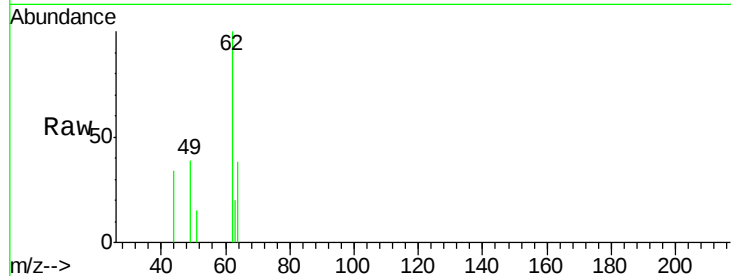
98 1.0 0.0 15.8

Manual Integrations

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#43

Isopropyl Acetate

Concen: 0.760 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

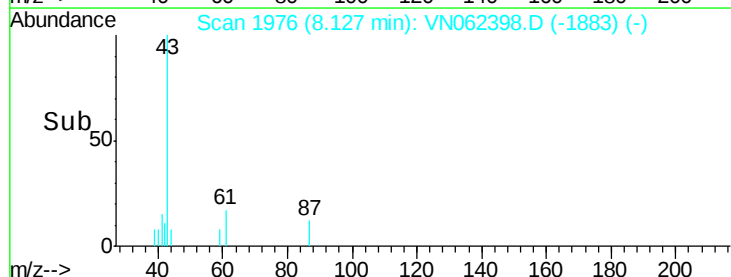
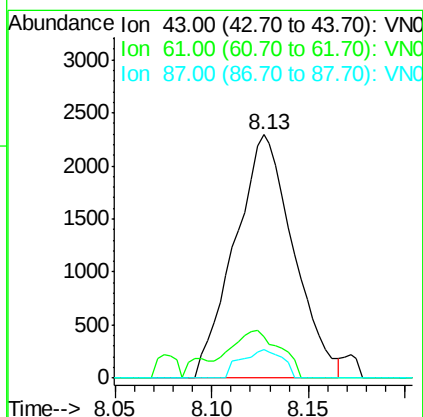
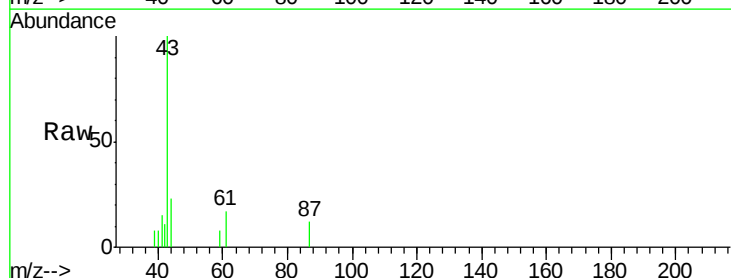
Tgt Ion: 43 Resp: 4849

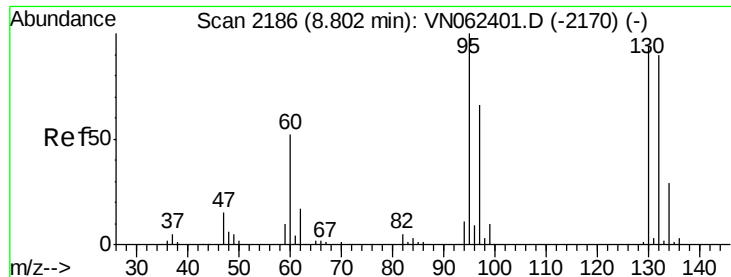
Ion Ratio Lower Upper

43 100

61 16.2 19.3 28.9#

87 8.1 8.6 13.0#





#44

Trichloroethene

Concen: 0.846 ug/l

RT: 8.80 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 1874

Ion Ratio Lower Upper

130 100

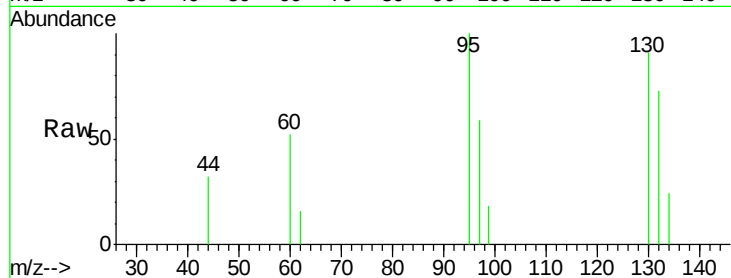
95 110.3 0.0 213.8

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

1000

800

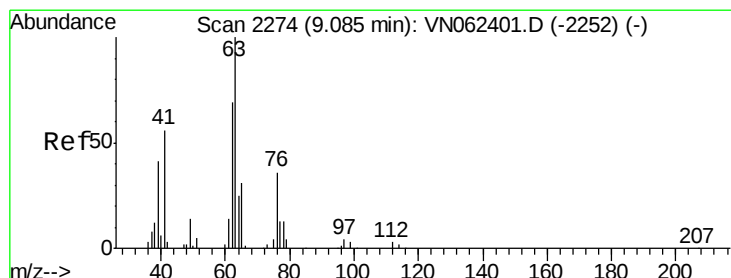
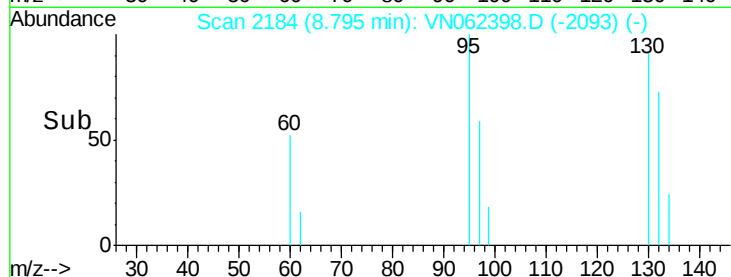
600

400

200

0

Time-->



#45

1,2-Dichloropropane

Concen: 0.873 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.01 min

Lab File: VN062398.D

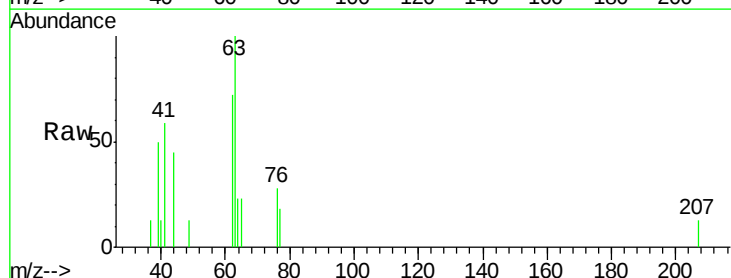
Acq: 8 Jul 2020 10:14

Tgt Ion: 63 Resp: 2390

Ion Ratio Lower Upper

63 100

65 22.7 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

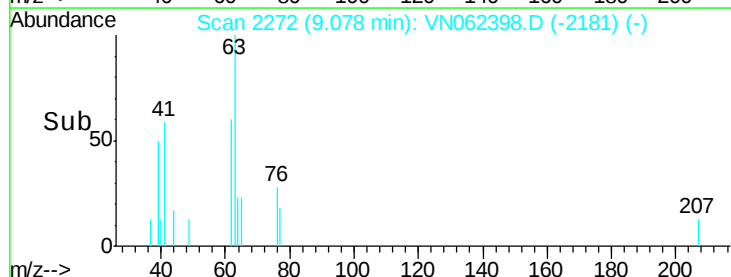
9.08

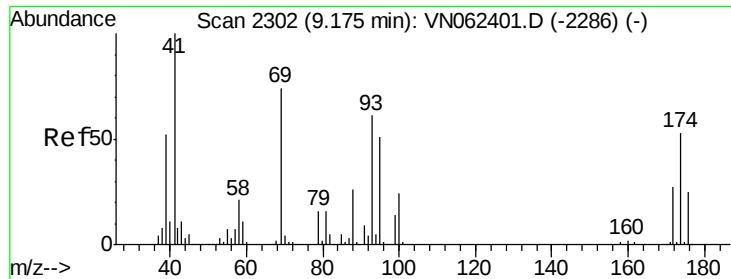
1000

500

0

Time-->





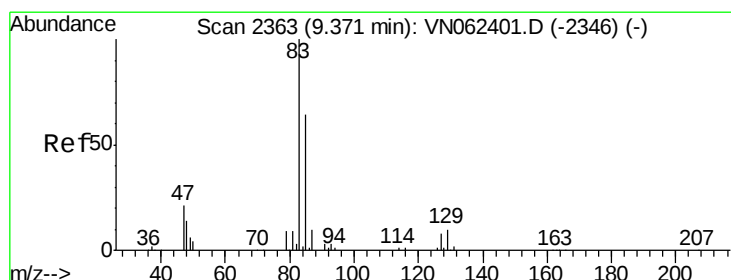
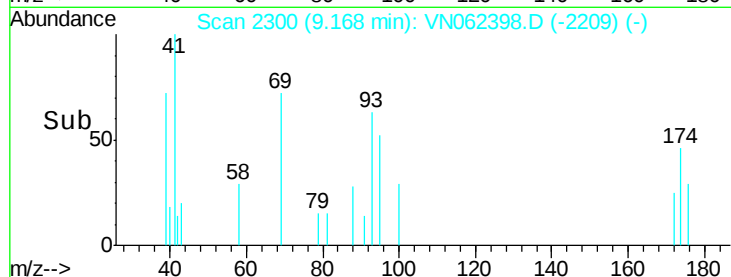
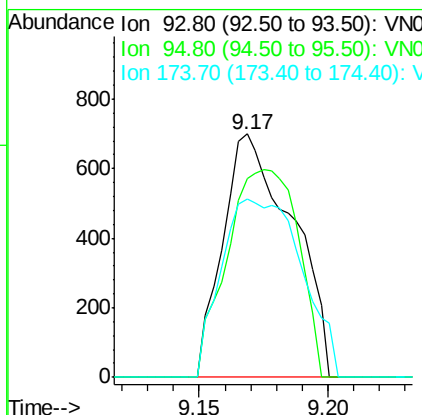
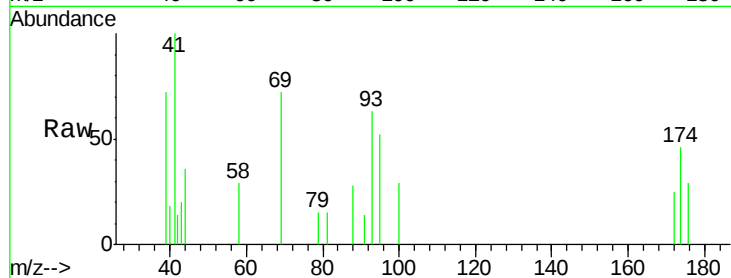
#46
Dibromomethane
Concen: 0.785 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	87.6	67.1	100.7
174	84.7	70.4	105.6

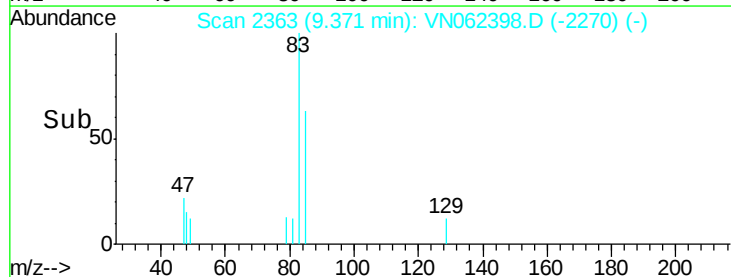
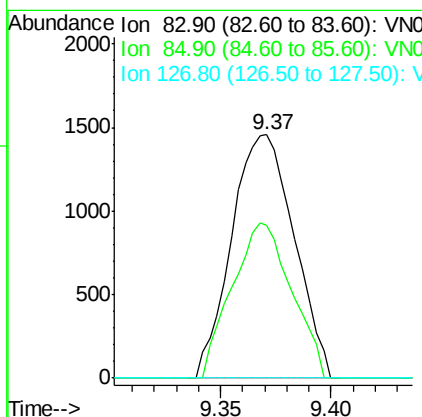
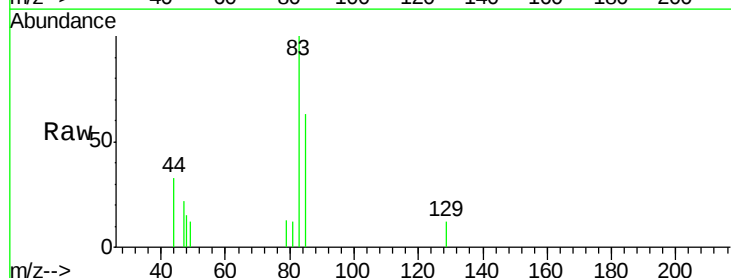
Manual Integrations
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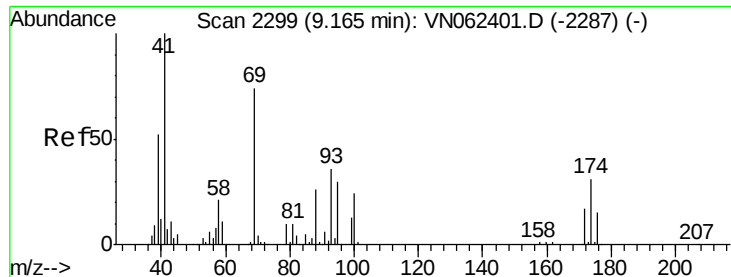
MMDadoda
7/9/2020 10:55:24 AM



#47
Bromodichloromethane
Concen: 0.803 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.2	76.8
127	0.0	6.2	9.2#





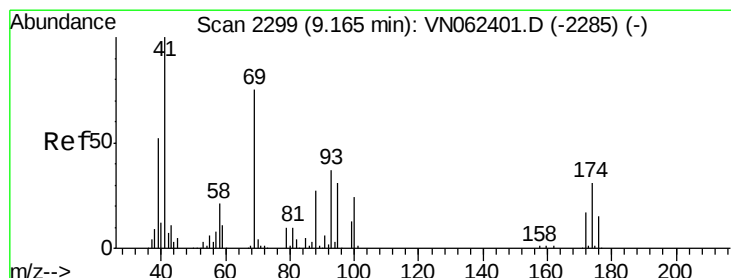
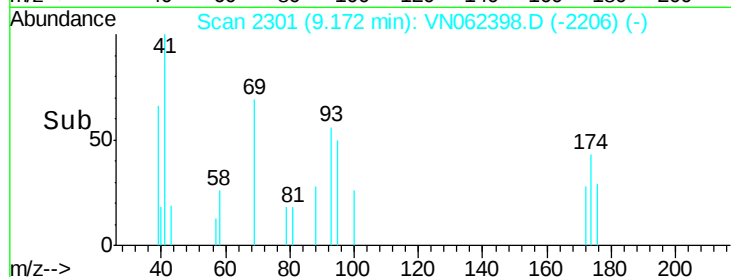
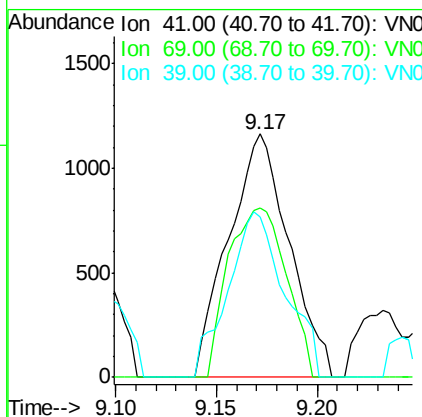
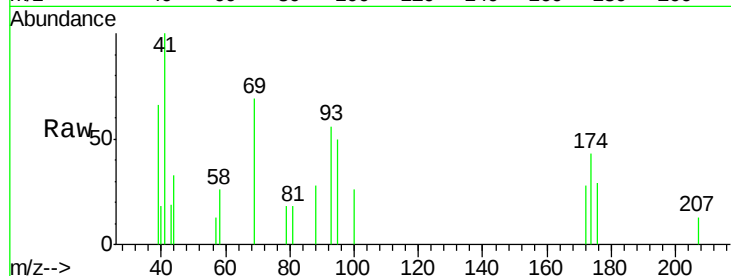
#48
Methvl methacrylate
Concen: 0.751 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	67.2	60.8	91.2
39	63.7	43.5	65.3

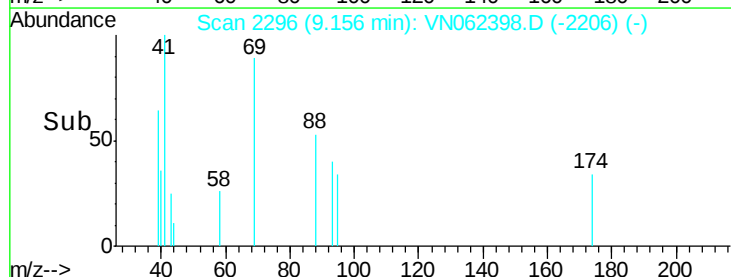
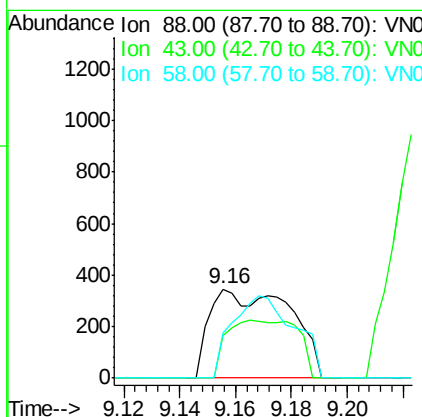
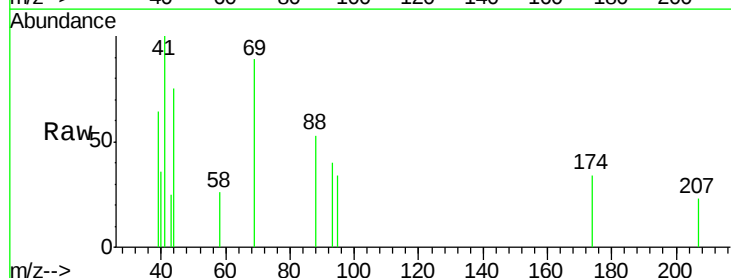
Manual Integrations
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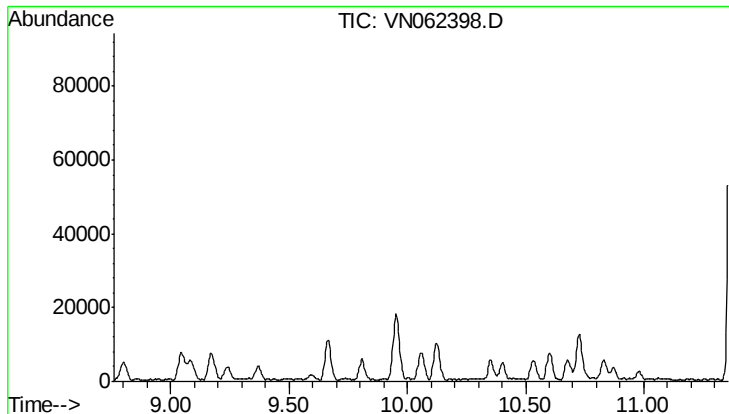
MMDadoda
7/9/2020 10:55:24 AM



#49
1,4-Dioxane
Concen: 15.491 ug/l m
RT: 9.16 min Scan# 2296
Delta R.T. -0.01 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
88	100		
43	57.4	31.0	46.4#
58	71.9	63.3	94.9





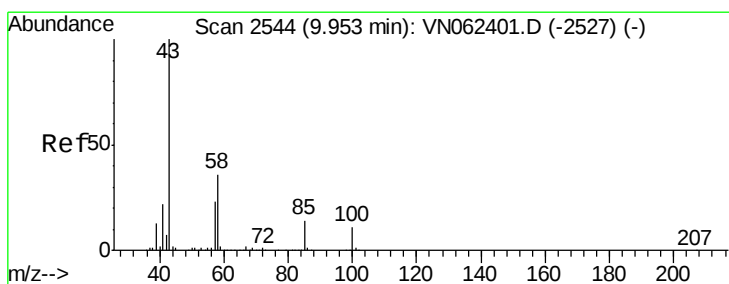
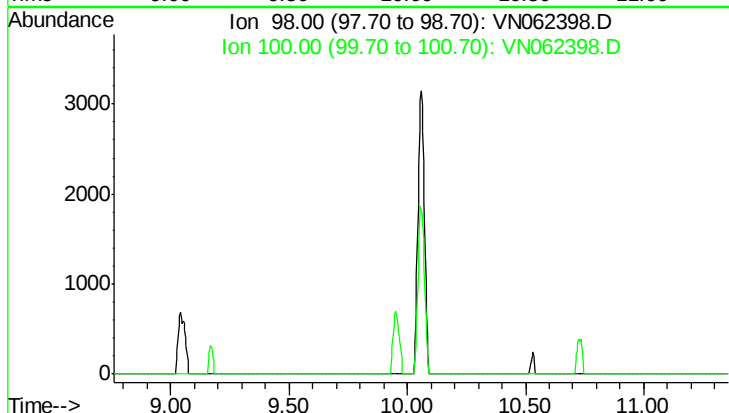
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.06 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

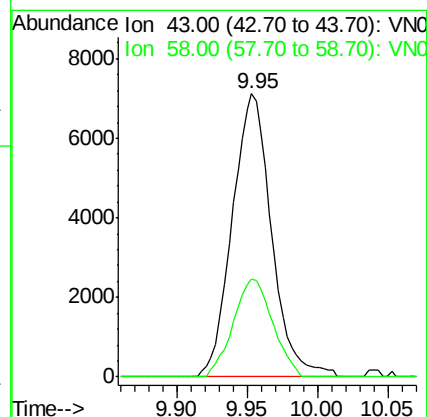
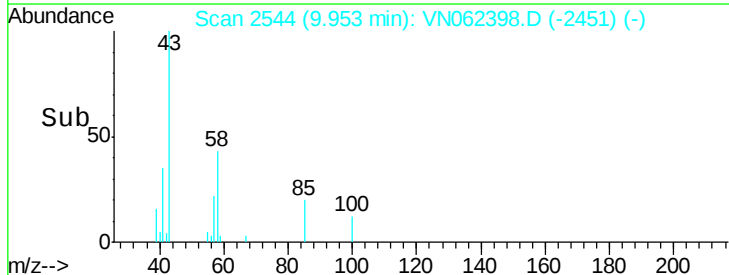
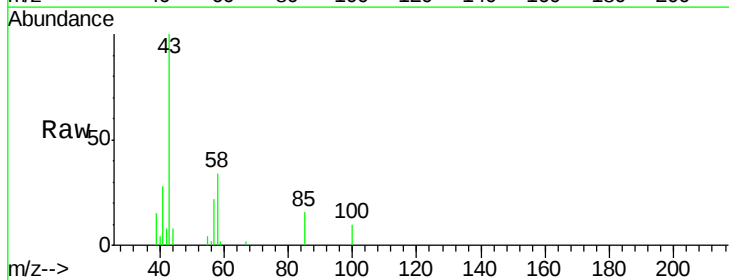
Manual Integrations
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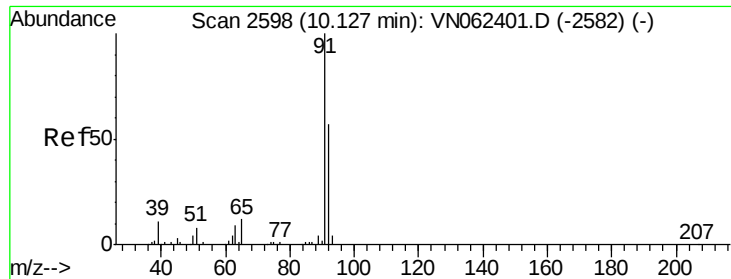
MMDadoda
7/9/2020 10:55:24 AM



#51
4-Methyl-2-Pentanone
Concen: 4.028 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion: 43 Resp: 13857
Ion Ratio Lower Upper
43 100
58 34.6 29.0 43.6





#52

Toluene

Concen: 0.826 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 4569

Ion Ratio Lower Upper

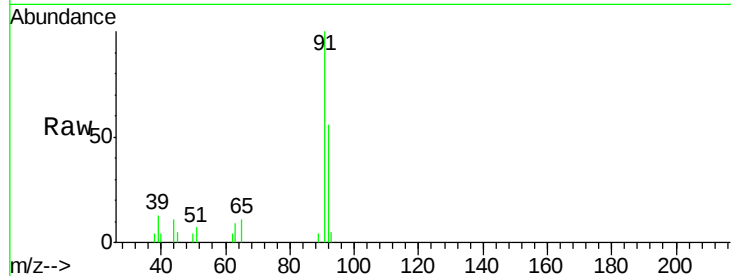
92 100

91 181.9 141.0 211.6

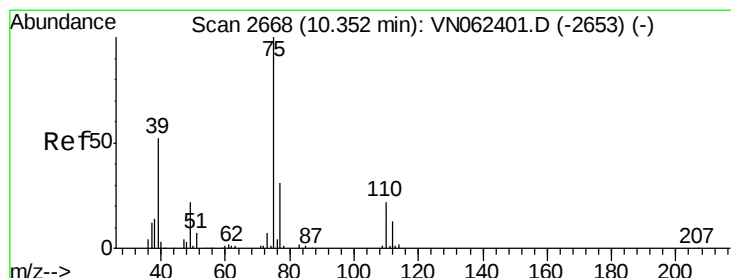
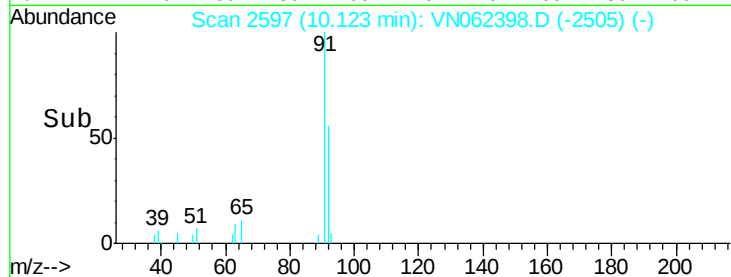
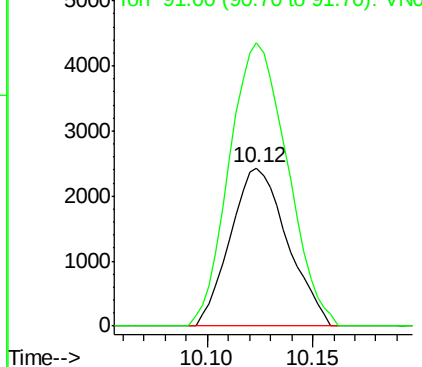
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Abundance Ion 92.00 (91.70 to 92.70): VN062398.D (-2505) (-)



#53

t-1,3-Dichloropropene

Concen: 0.765 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062398.D

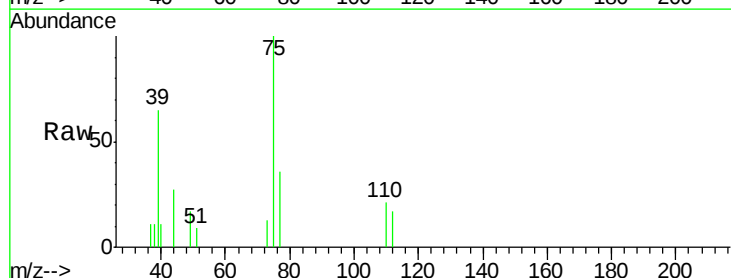
Acq: 8 Jul 2020 10:14

Tgt Ion: 75 Resp: 2935

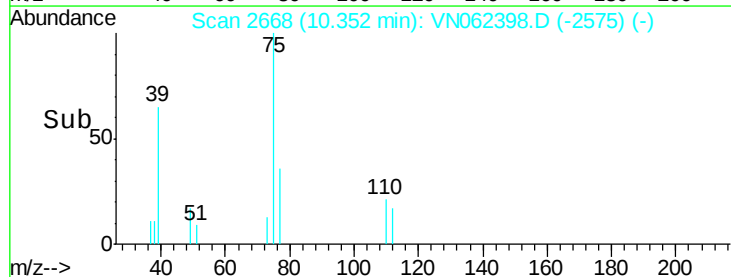
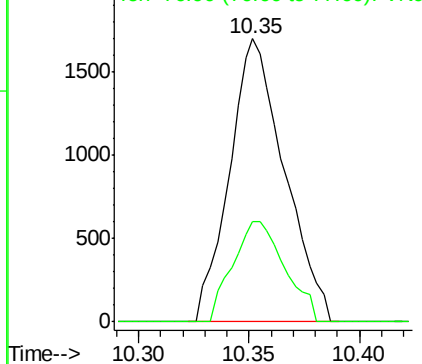
Ion Ratio Lower Upper

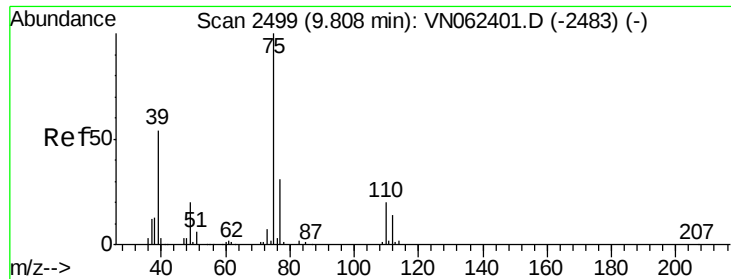
75 100

77 35.6 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN062398.D (-2575) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.874 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

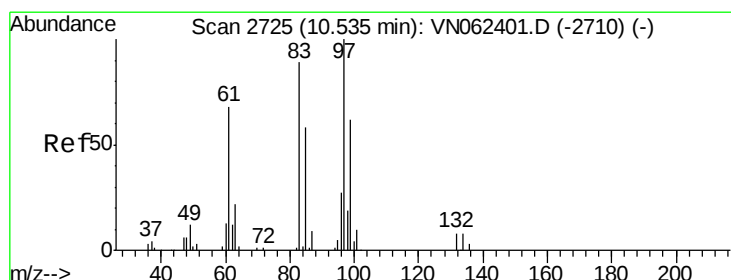
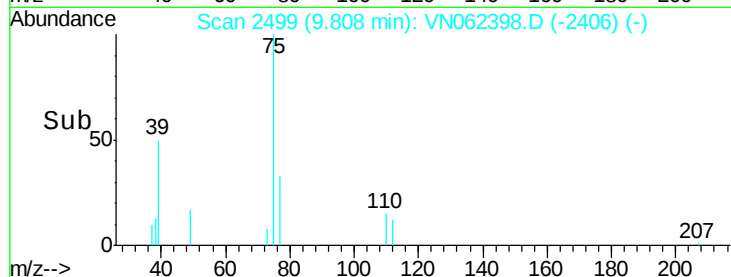
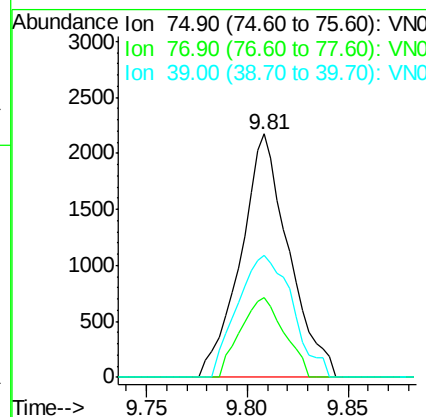
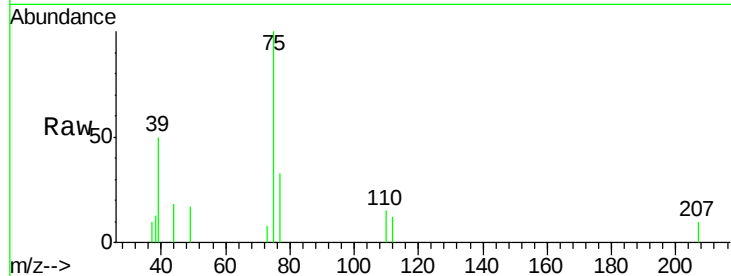
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	3610
Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.5	36.7
39	50.2	43.4	65.0

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#55

1,1,2-Trichloroethane

Concen: 0.793 ug/l

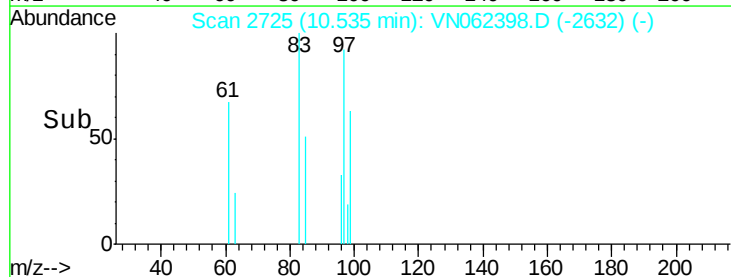
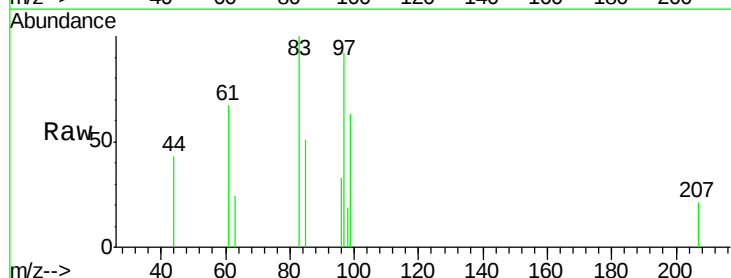
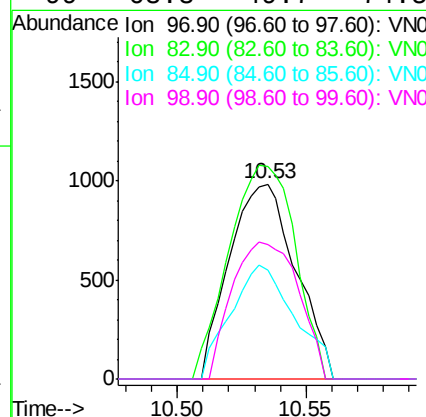
RT: 10.53 min Scan# 2725

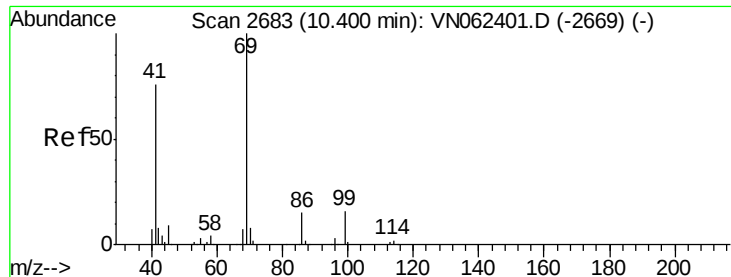
Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion:	97	Resp:	1769
Ion	Ratio	Lower	Upper
97	100		
83	109.1	71.0	106.4#
85	56.0	46.2	69.4
99	68.8	49.7	74.5





#56

Ethyl methacrylate

Concen: 0.696 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

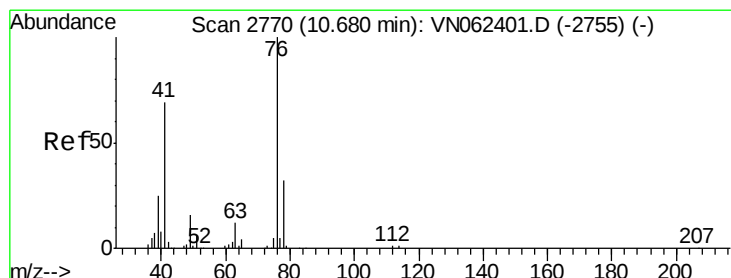
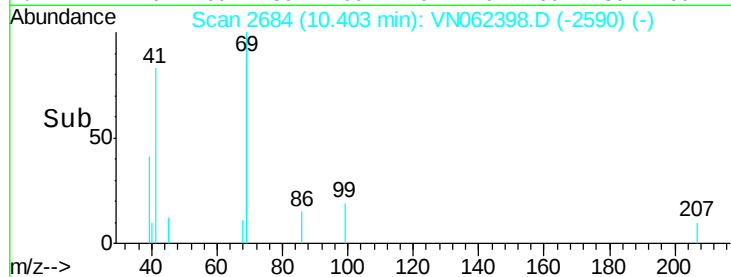
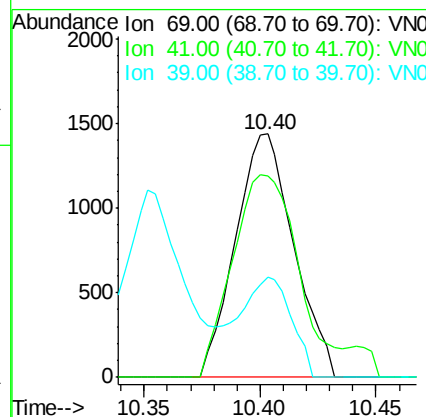
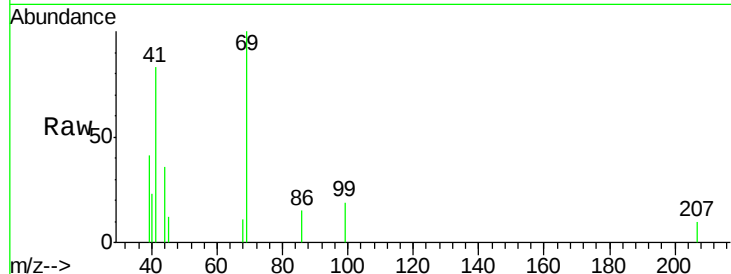
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	2506
Ion	Ratio	Lower	Upper
69	100		
41	94.7	59.7	89.5#
39	33.2	30.6	45.8

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.789 ug/l

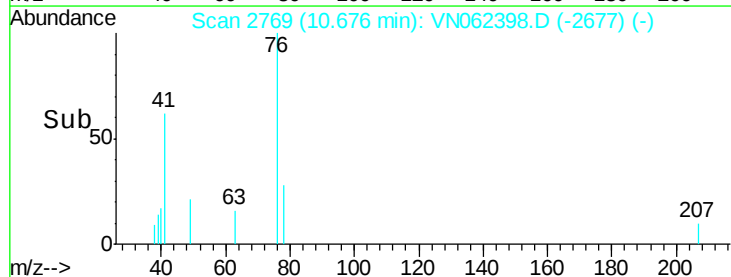
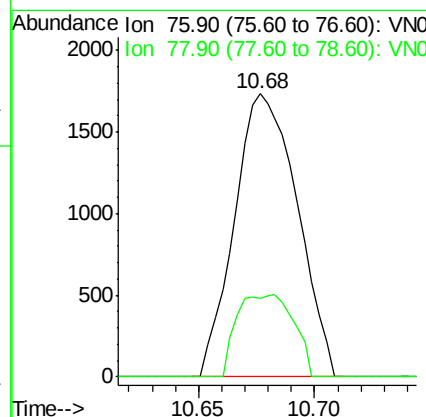
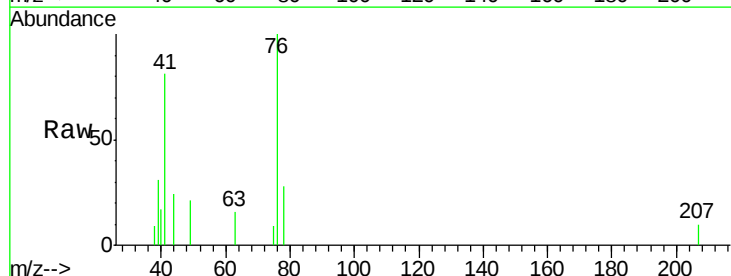
RT: 10.68 min Scan# 2769

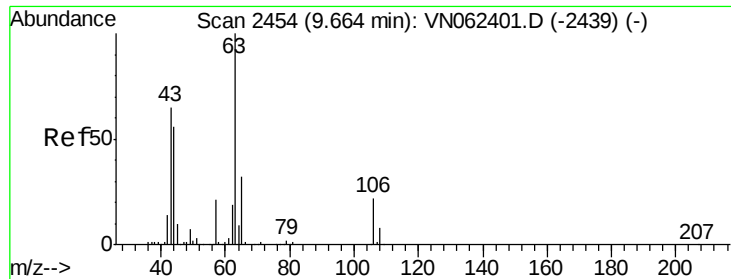
Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion:	76	Resp:	3256
Ion	Ratio	Lower	Upper
76	100		
78	26.2	25.6	38.4





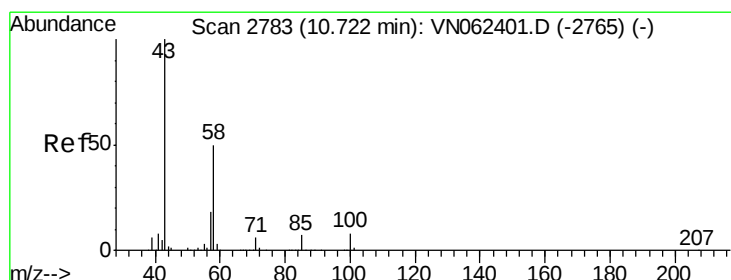
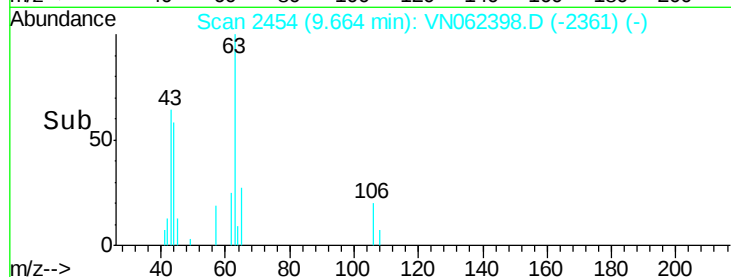
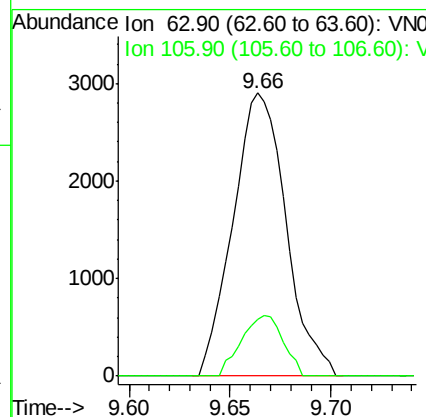
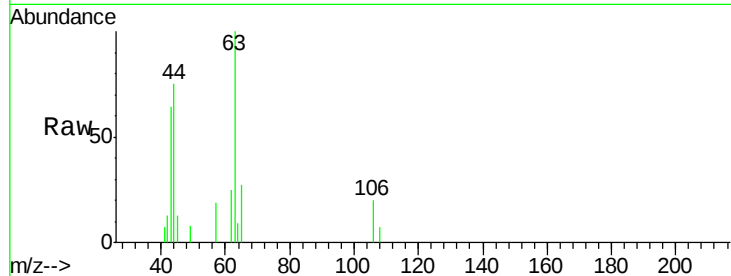
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.177 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 5320
 Ion Ratio Lower Upper
 63 100
 106 17.0 17.6 26.4#

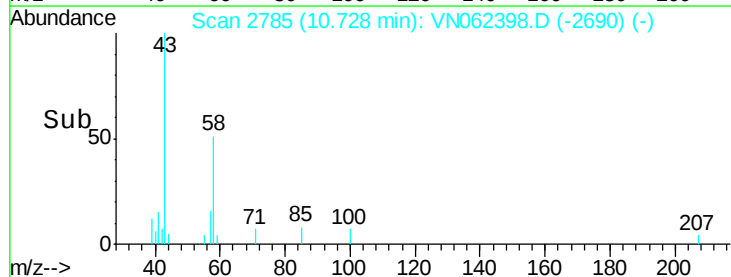
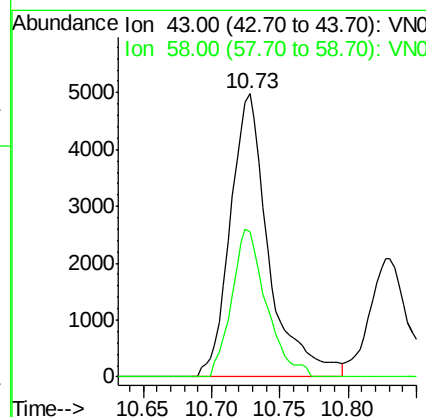
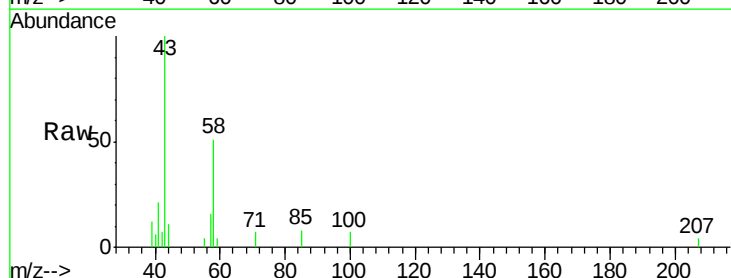
Manual Integrations
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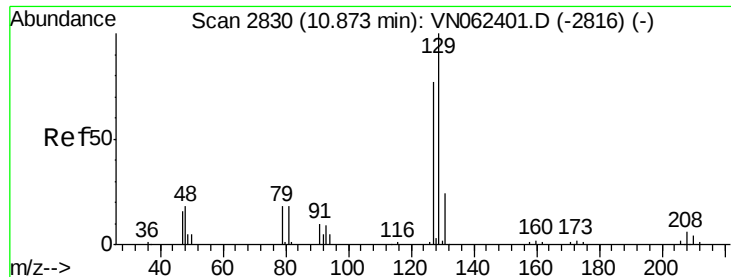
MMDadoda
 7/9/2020 10:55:24 AM



#59
 2-Hexanone
 Concen: 3.786 ug/l
 RT: 10.73 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion: 43 Resp: 9778
 Ion Ratio Lower Upper
 43 100
 58 47.0 25.1 75.2





#60

Dibromochloromethane

Concen: 0.755 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 1896

Ion Ratio Lower Upper

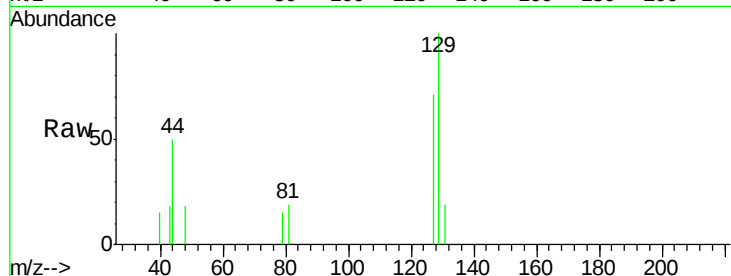
129 100

127 69.0 38.6 115.8

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7/9/2020 10:55:24 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.88

1000

800

600

400

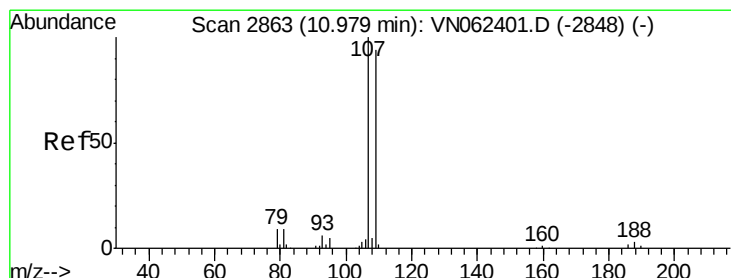
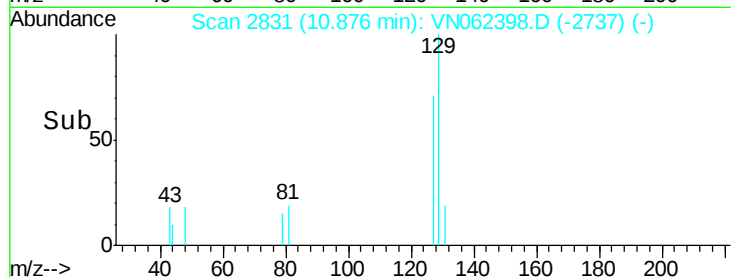
200

0

10.85

10.90

Time-->



#61

1,2-Dibromoethane

Concen: 0.789 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062398.D

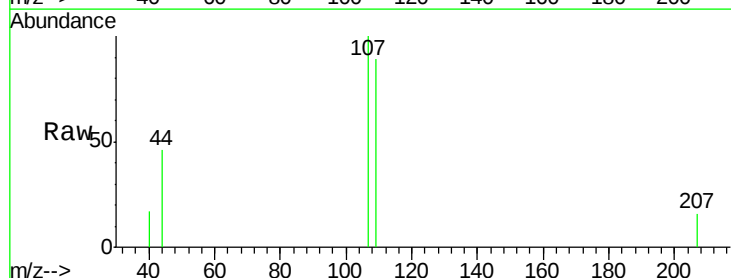
Acq: 8 Jul 2020 10:14

Tgt Ion:107 Resp: 1797

Ion Ratio Lower Upper

107 100

109 89.3 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

1200

1000

800

600

400

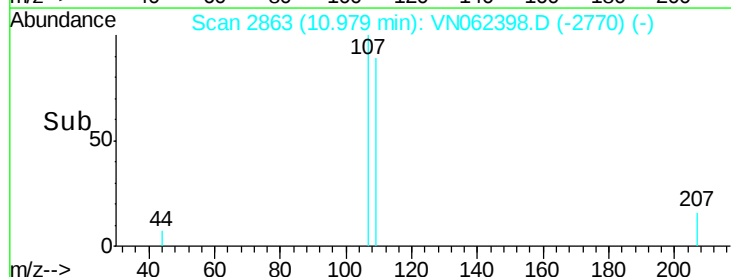
200

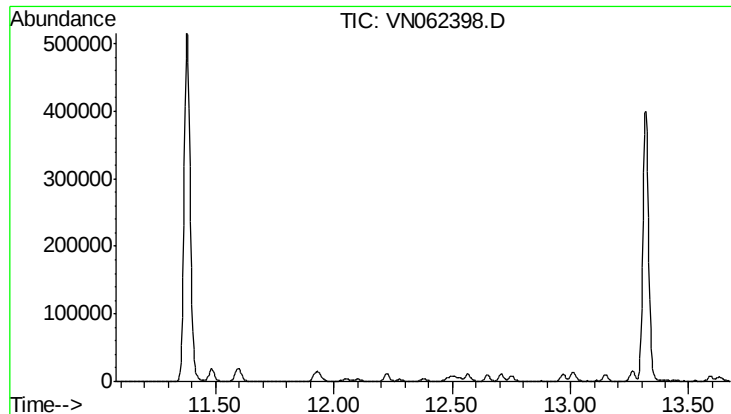
0

10.95

11.00

Time-->





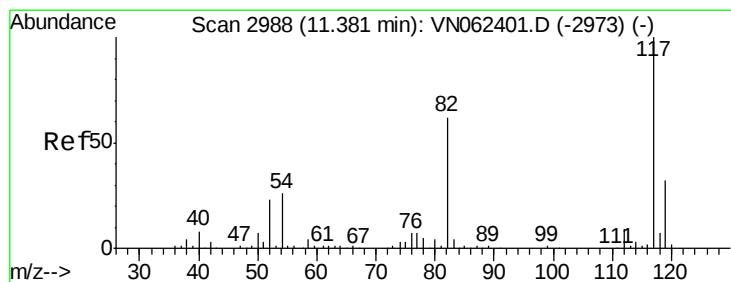
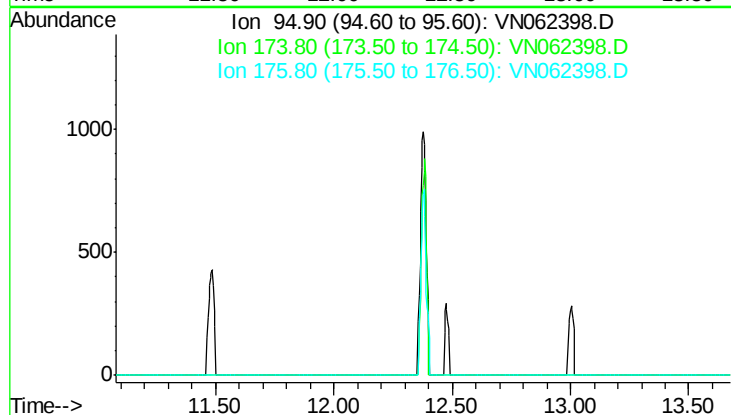
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.38 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	70.8
176	68.6

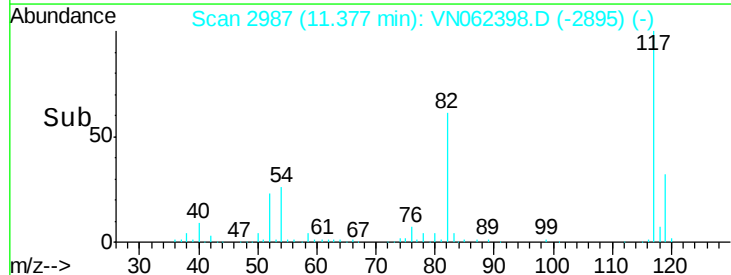
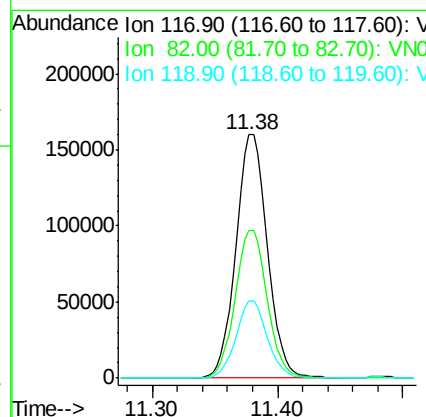
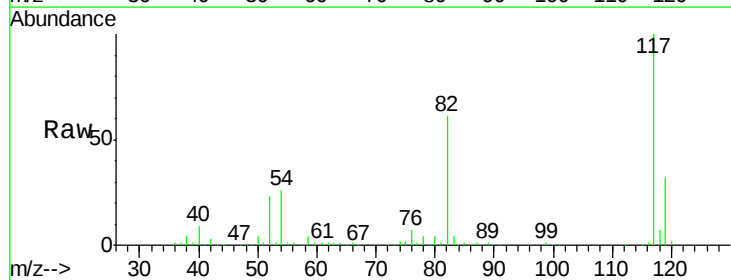
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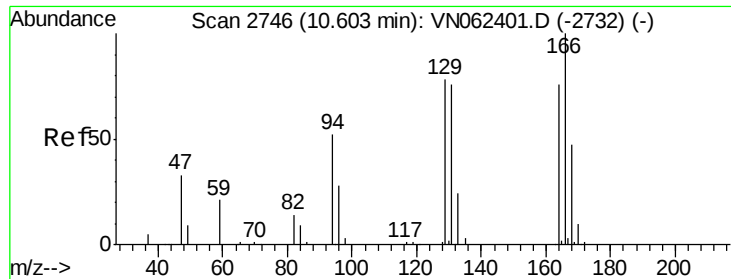
MMDadoda
 7/9/2020 10:55:24 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2987
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion	117	Resp	278839
Ion Ratio	Lower	Upper	
117	100		
82	60.8	49.6	74.4
119	31.7	25.4	38.0





#64

Tetrachloroethene

Concen: 0.860 ug/l

RT: 10.60 min Scan# 2745

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

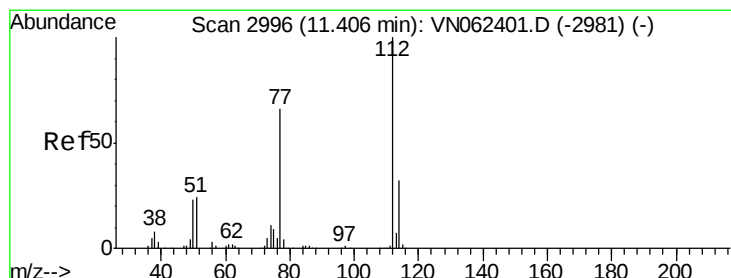
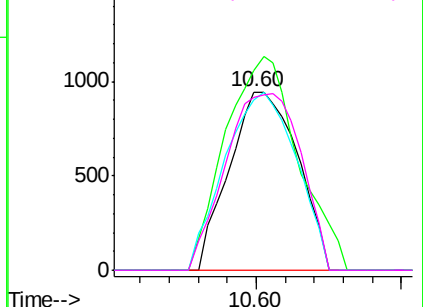
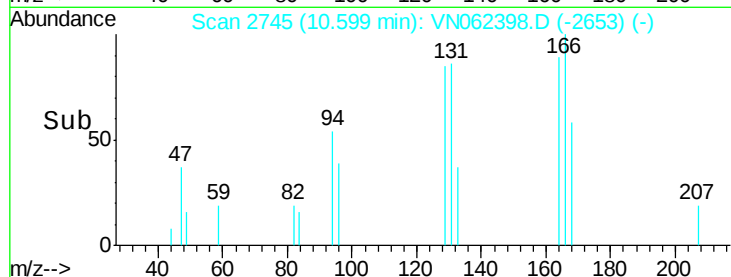
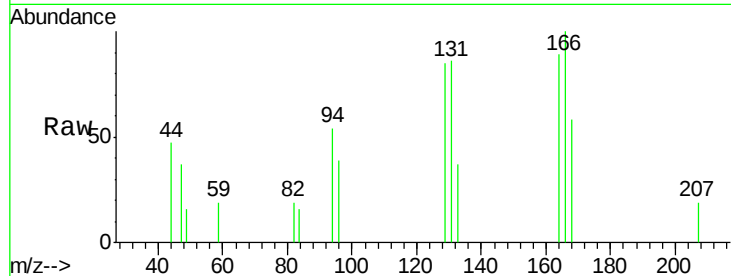
ClientSampleId :

VSTDIC001

Tot Ion:	164	Resp:	1547
Ion	Ratio	Lower	Upper
164	100		
166	112.4	104.9	157.3
129	95.7	81.8	122.6
131	97.1	79.3	118.9

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#65

Chlorobenzene

Concen: 0.851 ug/l

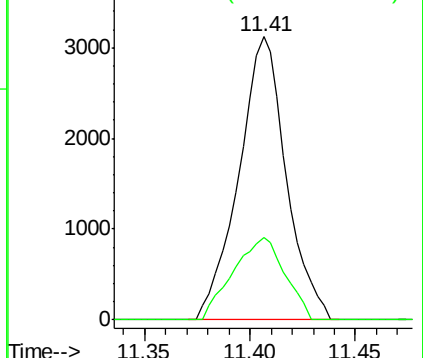
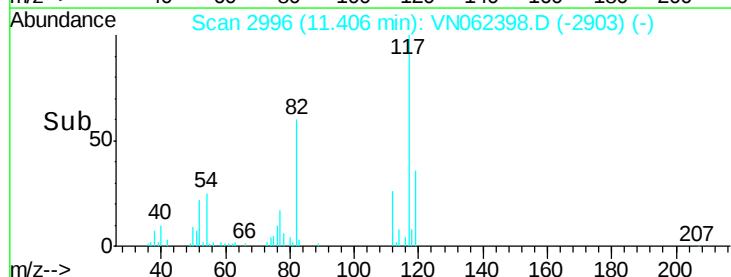
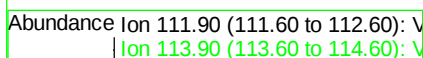
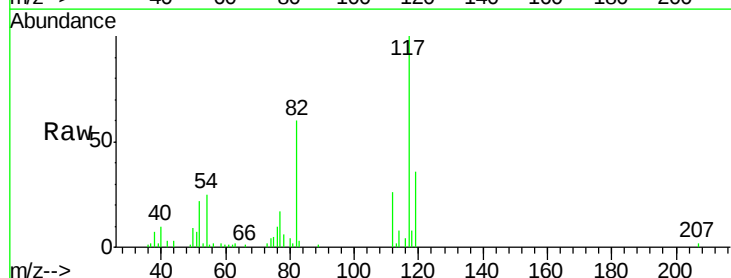
RT: 11.41 min Scan# 2996

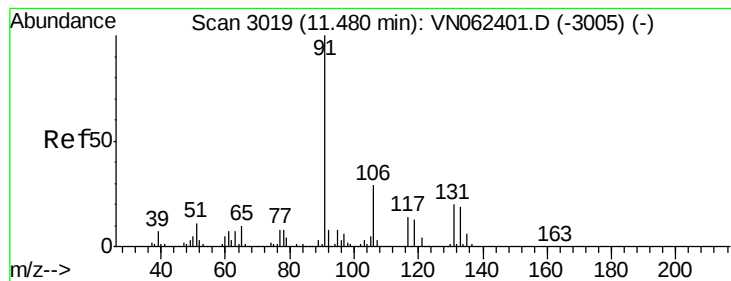
Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion:	112	Resp:	4888
Ion	Ratio	Lower	Upper
112	100		
114	29.0	25.9	38.9





#66

1,1,1,2-Tetrachloroethane

Concen: 0.796 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

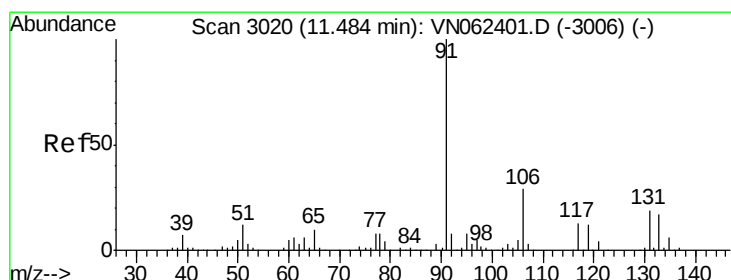
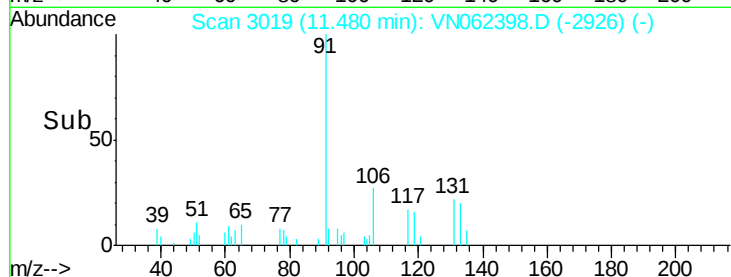
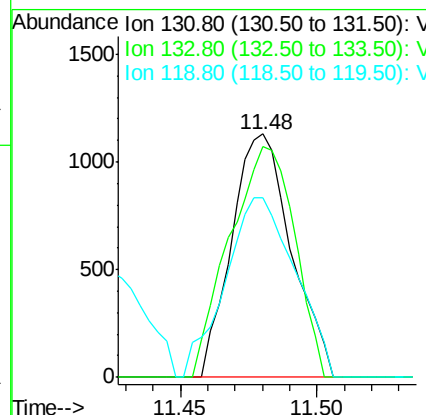
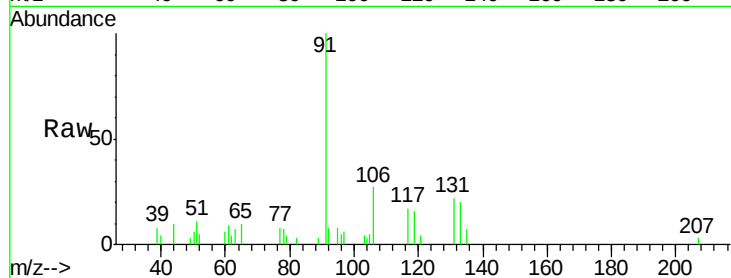
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	103.3	46.9	140.8
119	0.0	33.2	99.6#

Manual Integrations
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7/9/2020 10:55:24 AM



#67

Ethyl Benzene

Concen: 0.873 ug/l

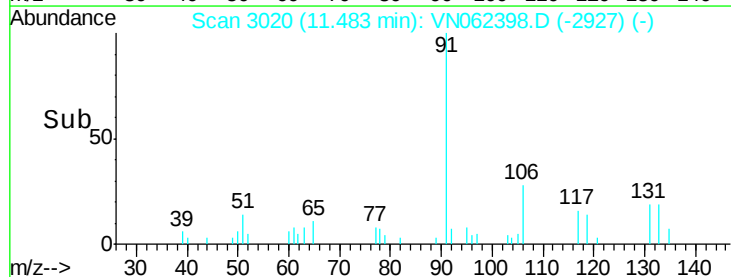
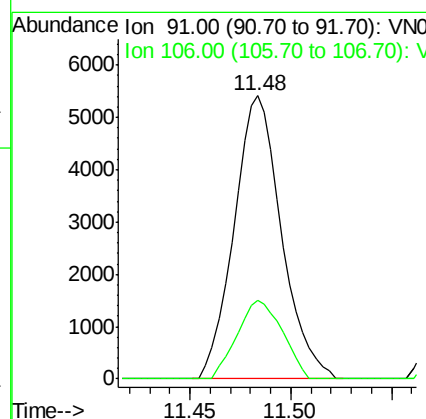
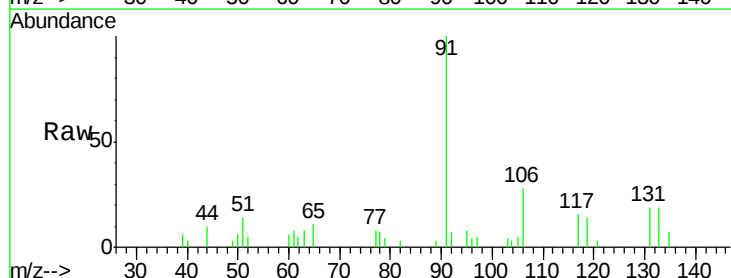
RT: 11.48 min Scan# 3020

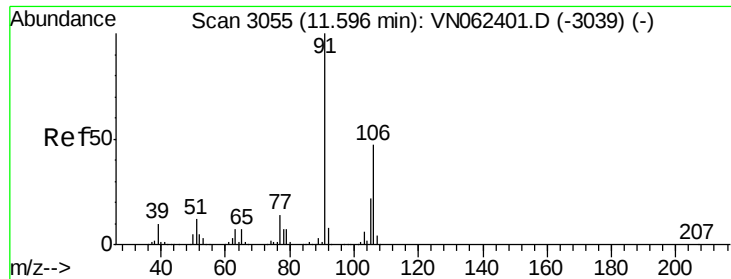
Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.0	23.4	35.2





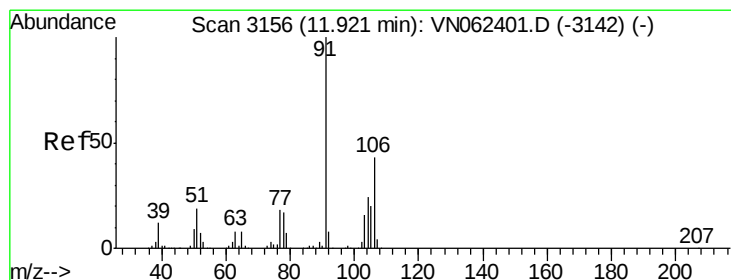
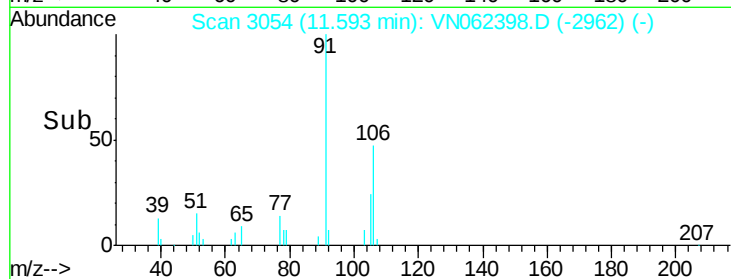
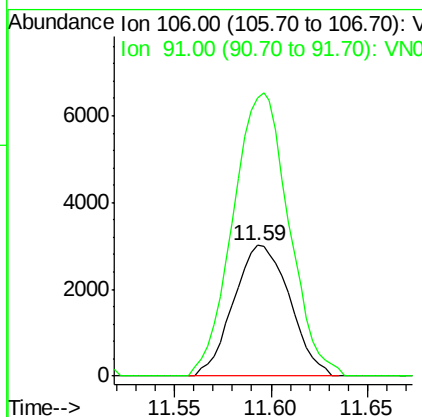
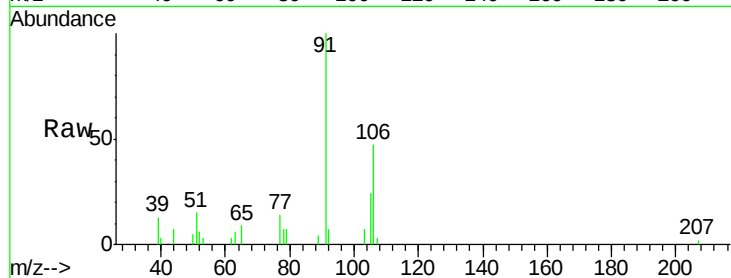
#68
m/p-Xylenes
Concen: 1.641 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 6099
Ion Ratio Lower Upper
106 100
91 215.5 172.4 258.6

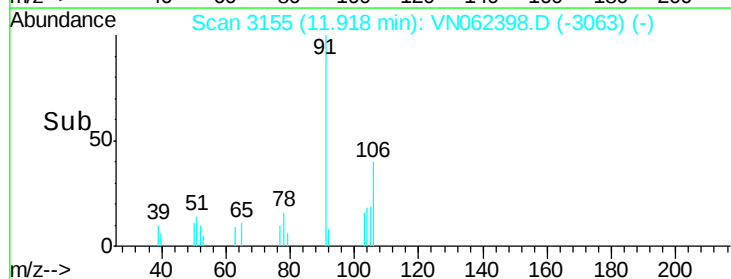
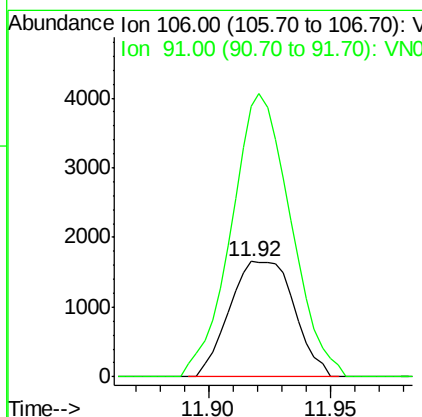
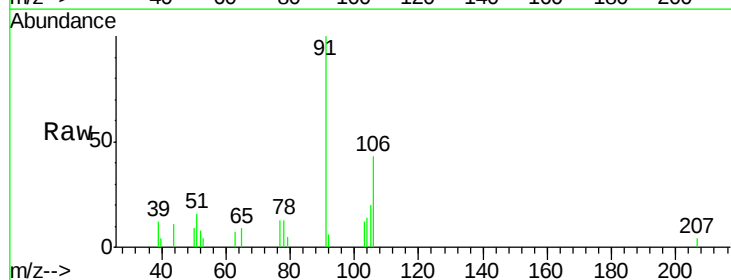
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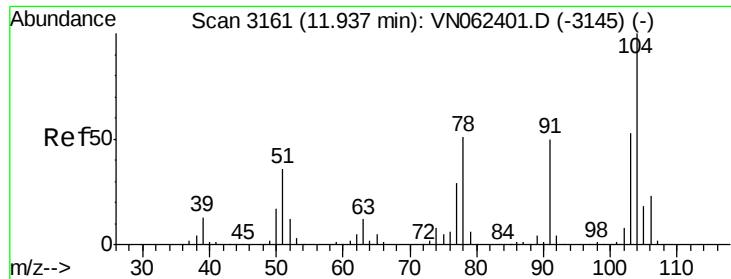
MMDadoda
7/9/2020 10:55:24 AM



#69
o-Xylene
Concen: 0.834 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion:106 Resp: 3056
Ion Ratio Lower Upper
106 100
91 224.1 113.8 341.4





#70

Stvrene

Concen: 0.706 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

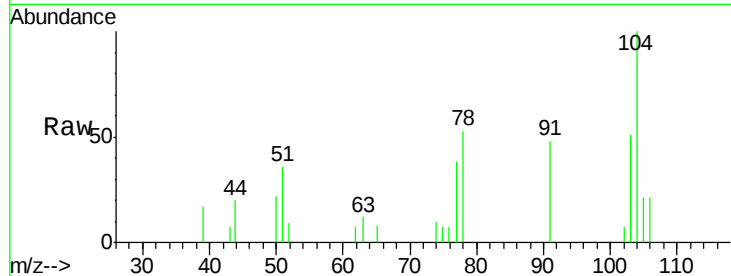
ClientSampled :

VSTDIC001

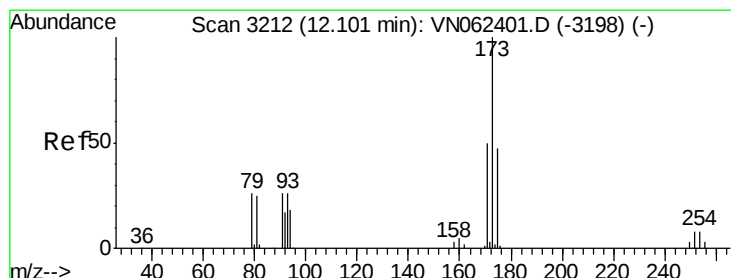
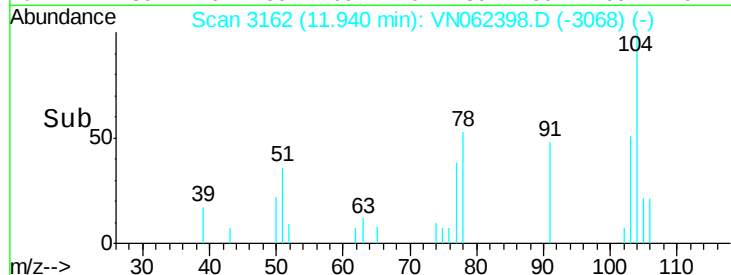
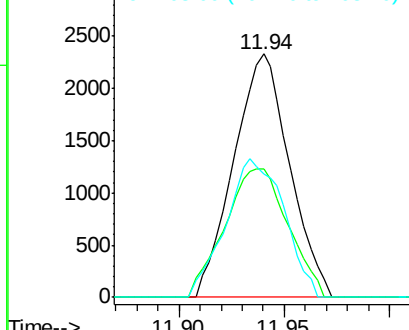
Tot Ion:	104	Resp:	4276
Ion	Ratio	Lower	Upper
104	100		
78	60.0	44.2	66.4
103	59.5	44.4	66.6

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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.629 ug/l

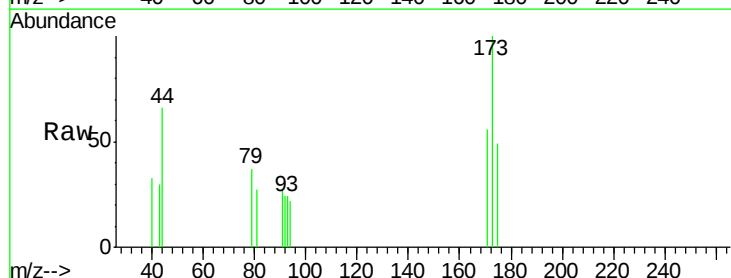
RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

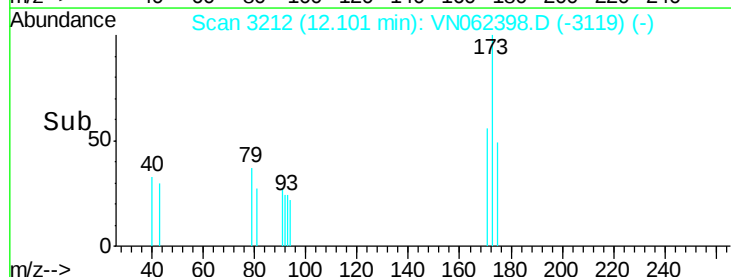
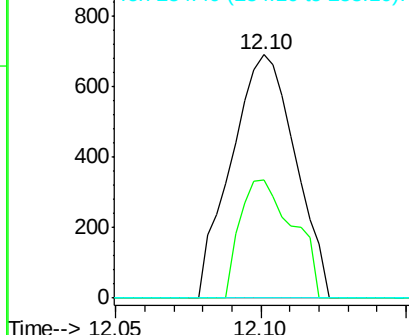
Lab File: VN062398.D

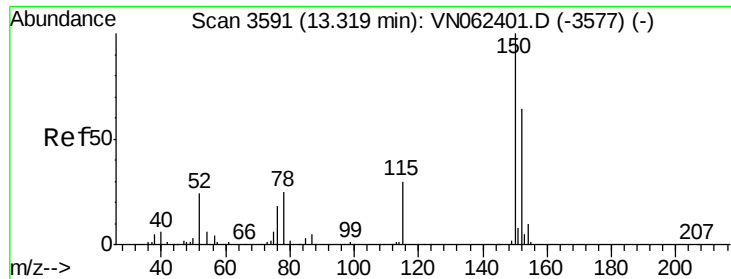
Acq: 8 Jul 2020 10:14

Tgt Ion:	173	Resp:	1057
Ion	Ratio	Lower	Upper
173	100		
175	40.4	23.7	71.1
254	0.0	0.0	0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:152 Resp: 101373

Ion Ratio Lower Upper

152 100

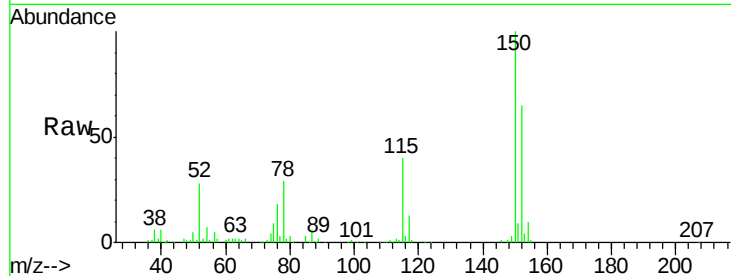
115 63.5 31.4 94.2

150 159.6 0.0 347.4

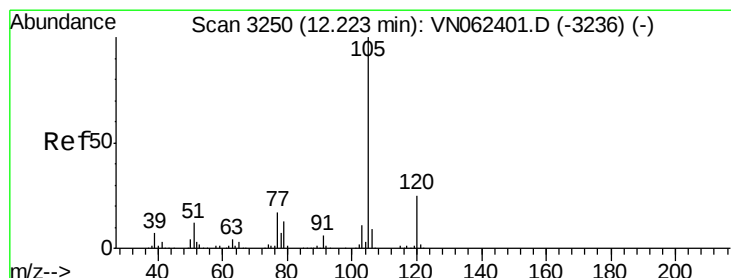
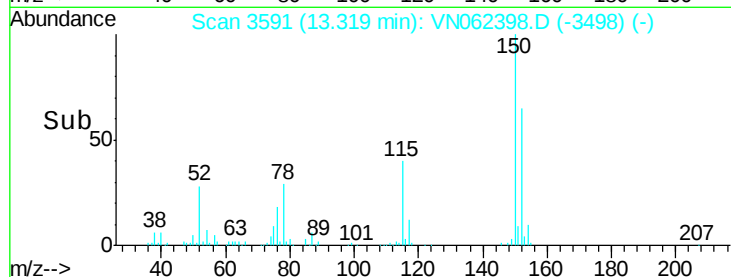
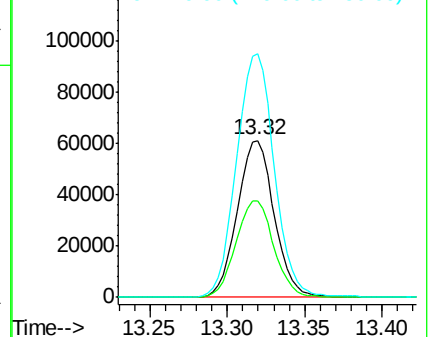
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.035 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062398.D

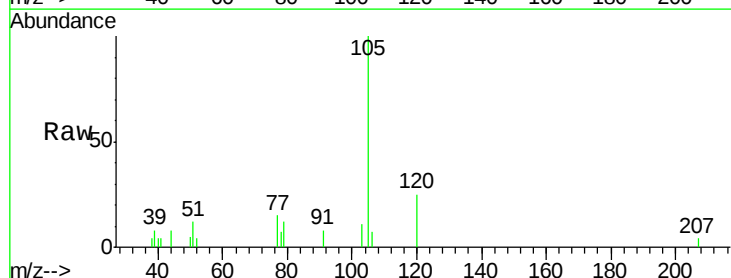
Acq: 8 Jul 2020 10:14

Tgt Ion:105 Resp: 7874

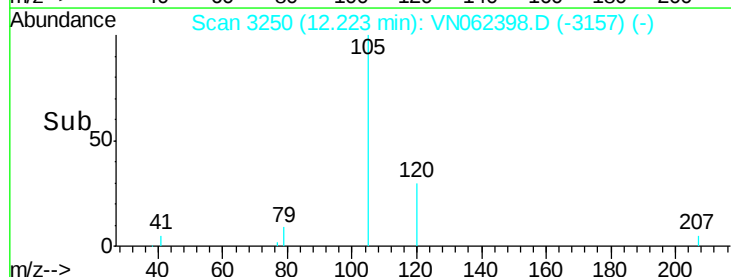
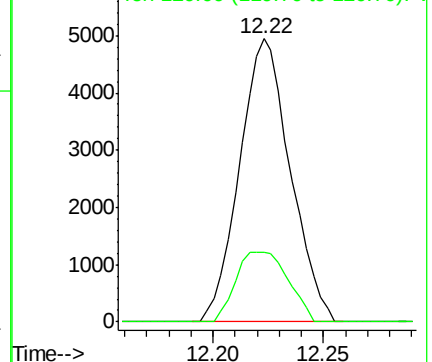
Ion Ratio Lower Upper

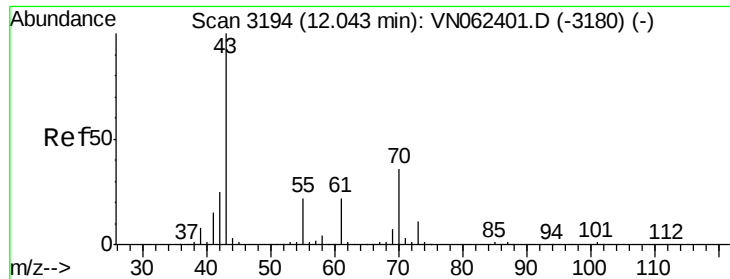
105 100

120 25.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.689 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 2778

Ion Ratio Lower Upper

43 100

70 17.7 30.0 45.0#

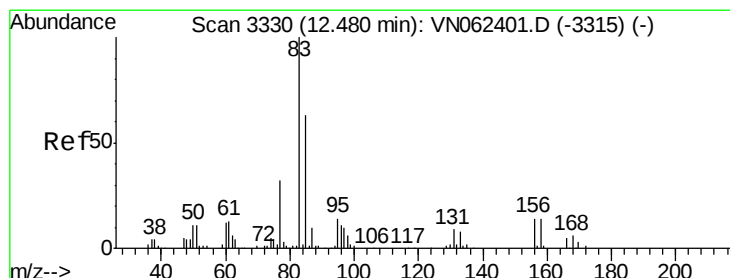
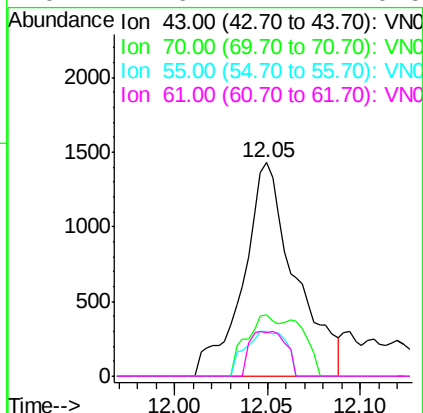
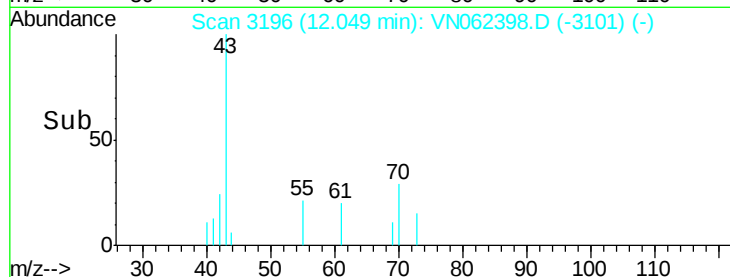
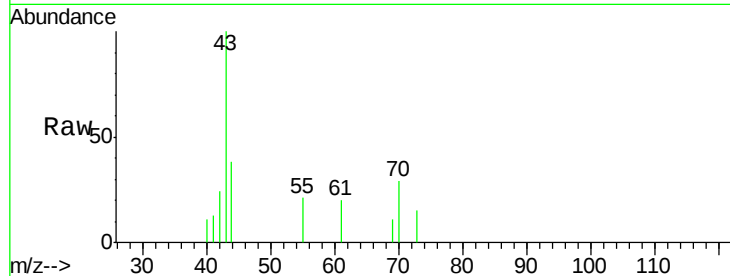
55 16.7 18.2 27.4#

61 14.6 17.7 26.5#

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.987 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

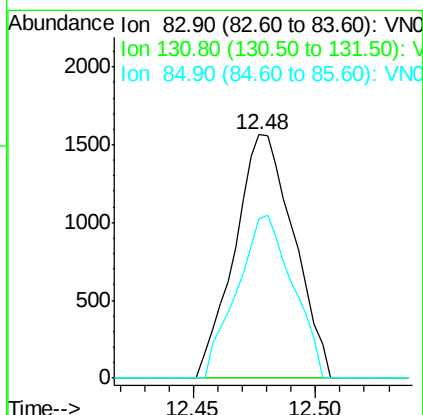
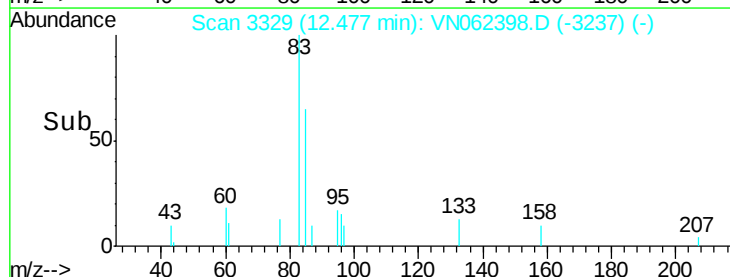
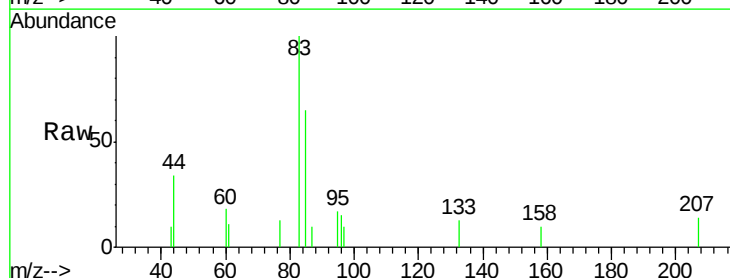
Tgt Ion: 83 Resp: 2629

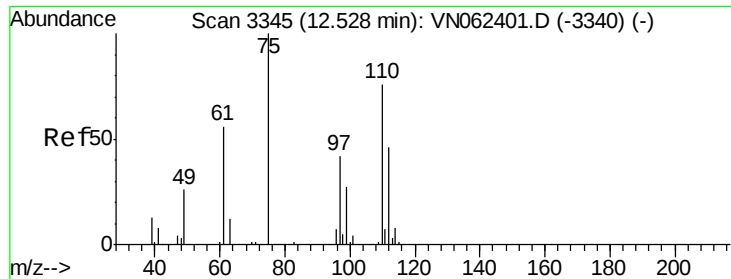
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 63.0 31.9 95.9





#76

1,2,3-Trichloropropane

Concen: 1.003 ug/l m

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 2457

Ion Ratio Lower Upper

75 100

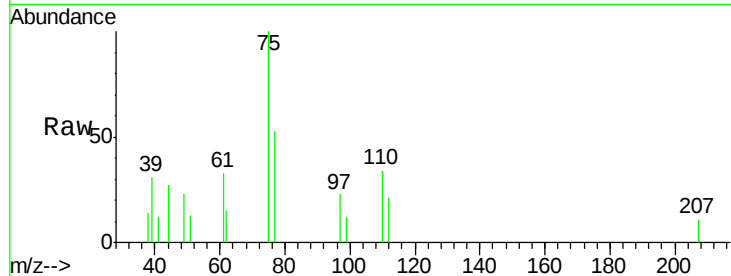
77 0.0 0.0 0.0

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Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-3340) (-)

2000

1500

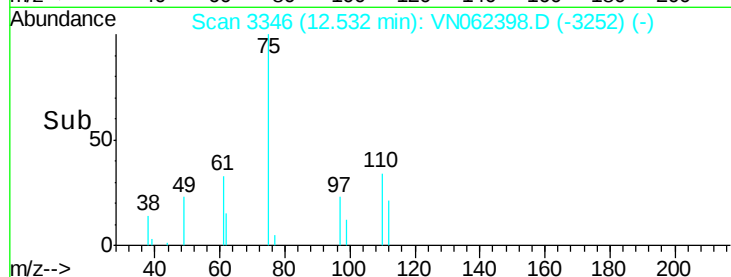
1000

500

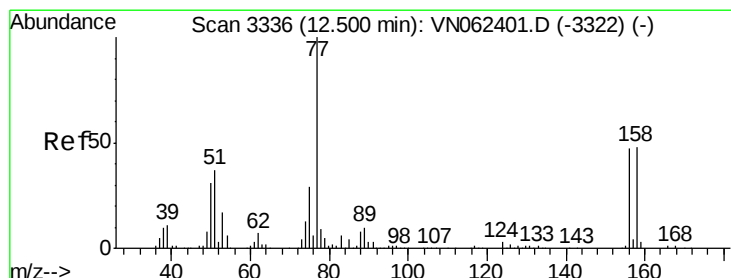
0

12.50

12.55



Time-->



#77

Bromobenzene

Concen: 0.986 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

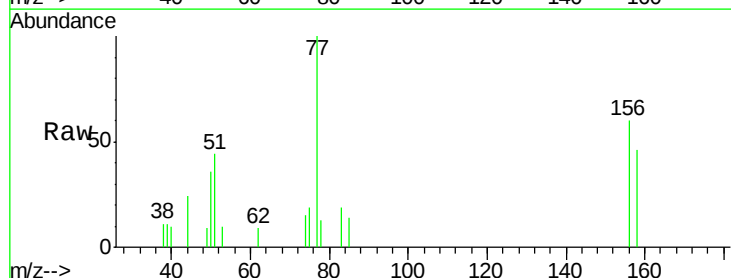
Tgt Ion: 156 Resp: 1767

Ion Ratio Lower Upper

156 100

77 253.4 126.4 379.3

158 94.3 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): VN062401.D (-3322) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-3322) (-)

Ion 157.80 (157.50 to 158.50): VN062401.D (-3322) (-)

2500

2000

1500

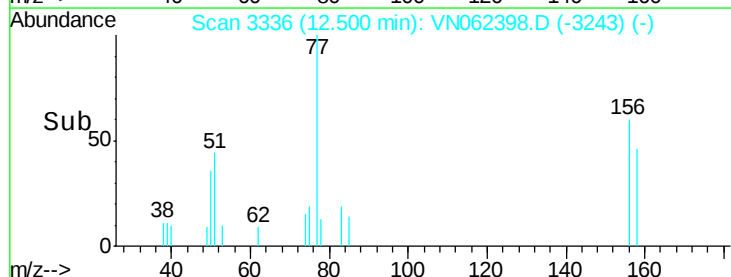
1000

500

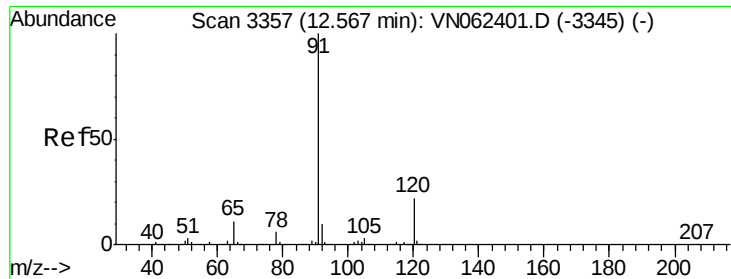
0

12.45

12.50



Time-->



#78

n-propylbenzene

Concen: 1.003 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 8709

Ion Ratio Lower Upper

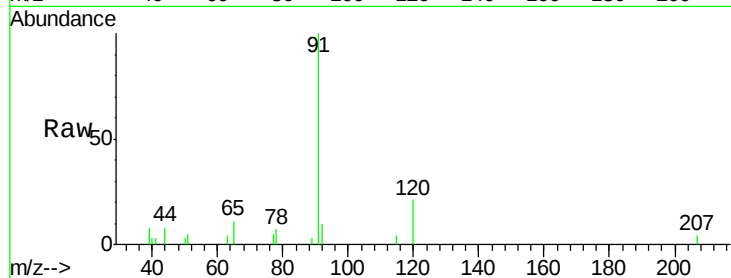
91 100

120 20.1 10.7 32.1

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Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3345) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3345) (-)

12.57

6000

5000

4000

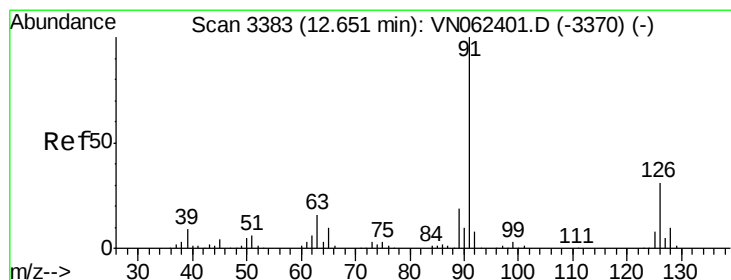
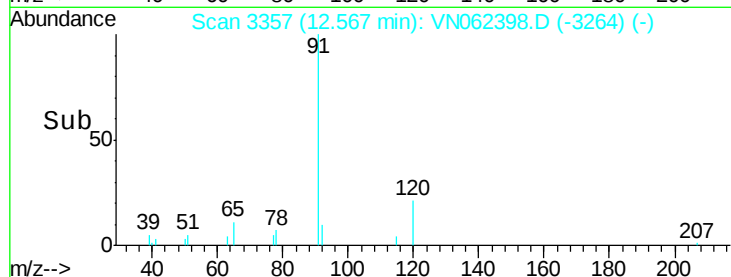
3000

2000

1000

0

Time-->



#79

2-Chlorotoluene

Concen: 0.976 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062398.D

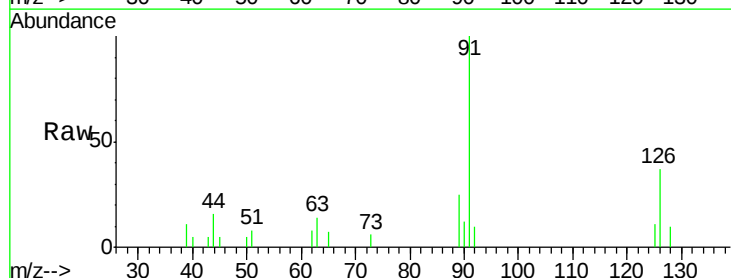
Acq: 8 Jul 2020 10:14

Tgt Ion: 91 Resp: 5385

Ion Ratio Lower Upper

91 100

126 29.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3370) (-)

12.65

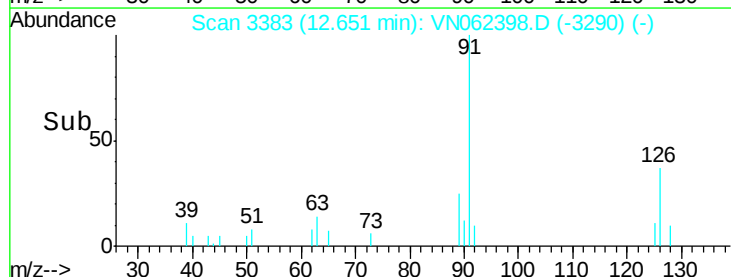
3000

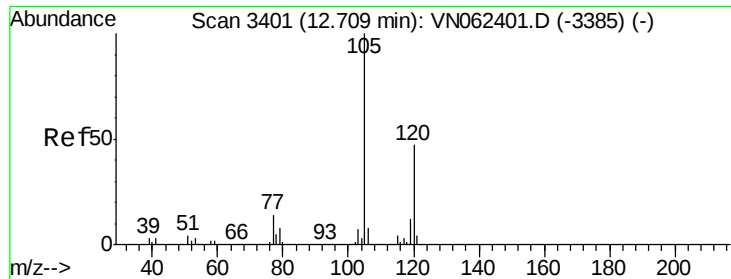
2000

1000

0

Time-->





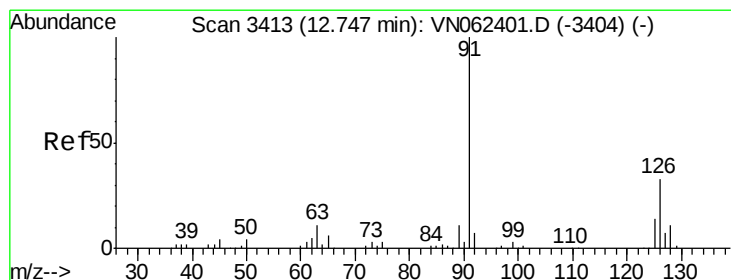
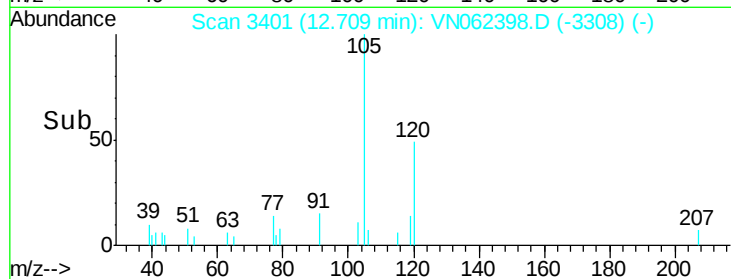
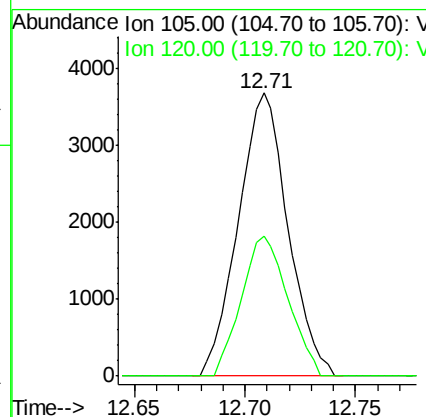
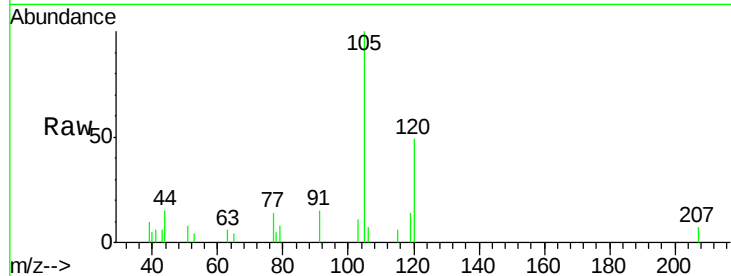
#80
 1,3,5-Trimethylbenzene
 Concen: 0.905 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 5762
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.4 70.2

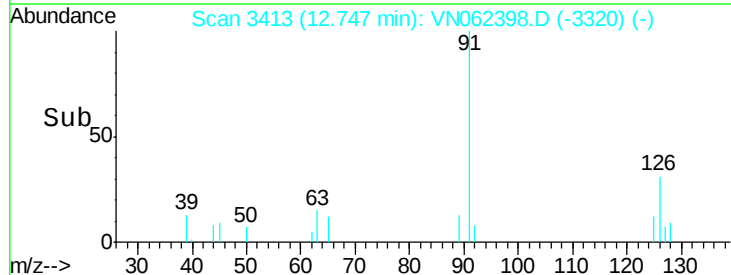
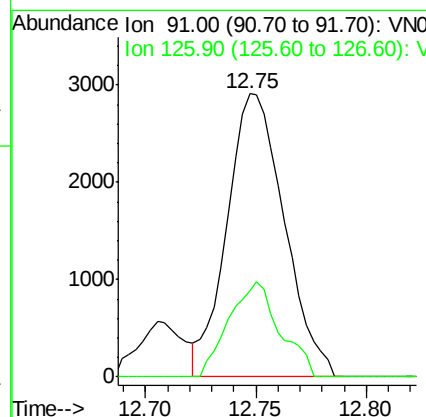
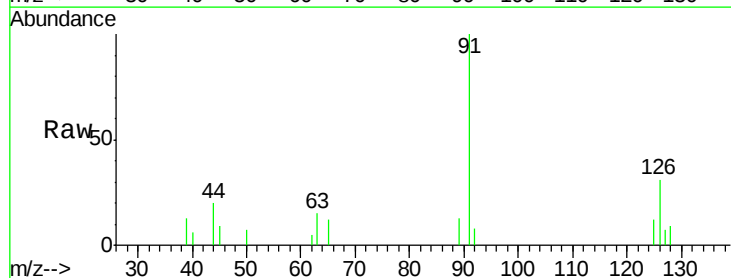
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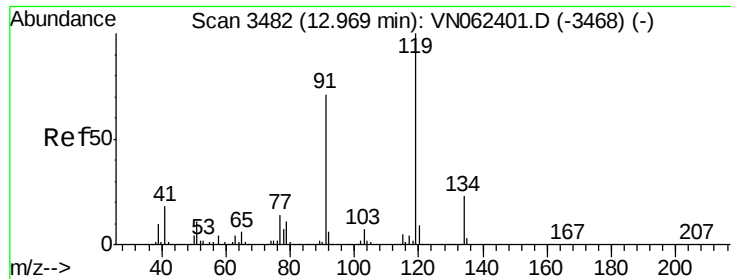
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#82
 4-Chlorotoluene
 Concen: 0.931 ug/l
 RT: 12.75 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion: 91 Resp: 5246
 Ion Ratio Lower Upper
 91 100
 126 29.9 15.2 45.6





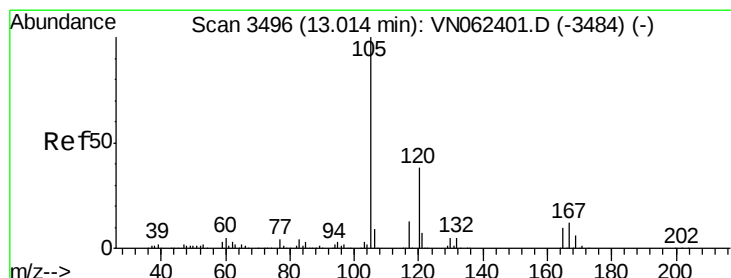
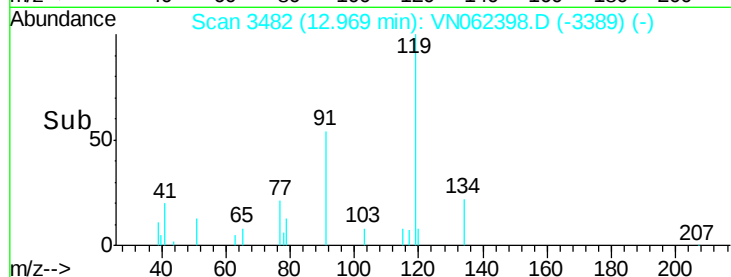
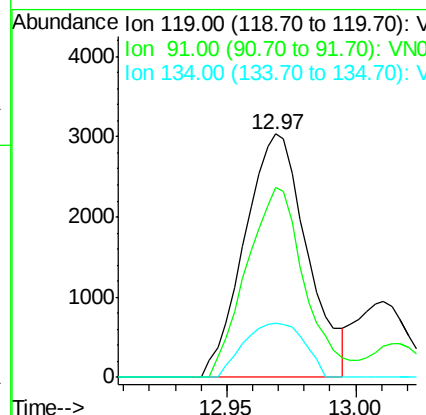
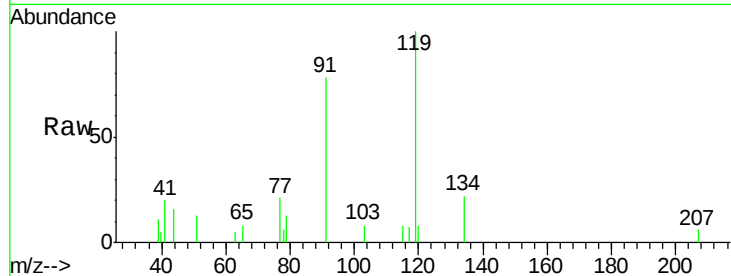
#83
 tert-Butylbenzene
 Concen: 0.946 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.4	34.8	104.3
134	21.5	11.7	35.0

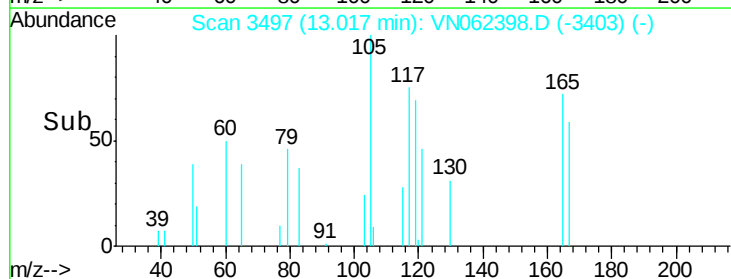
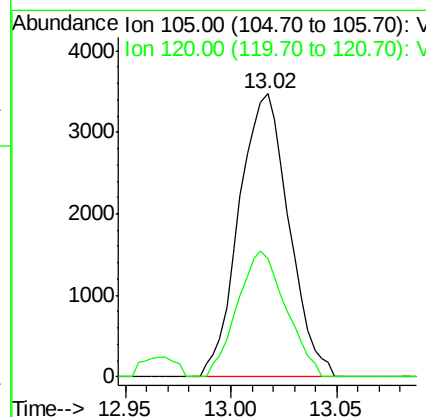
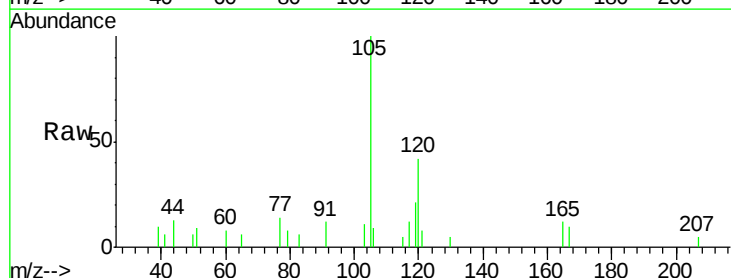
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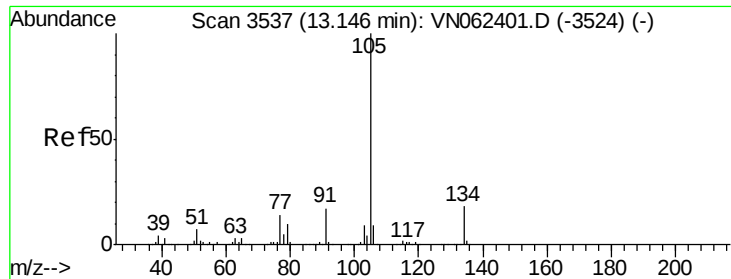
MMDadoda
 7/9/2020 10:55:24 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.907 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.6	64.8





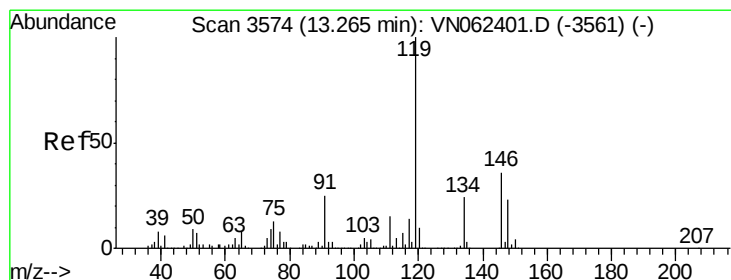
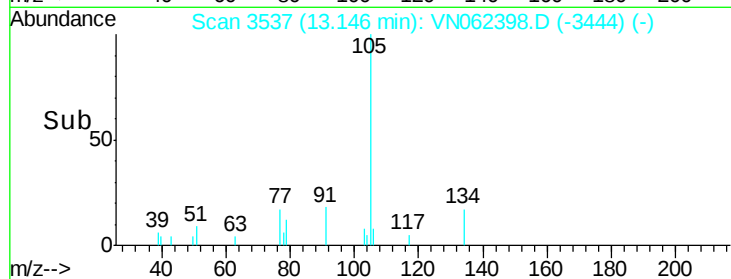
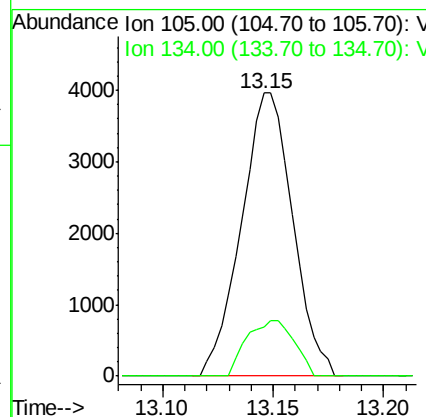
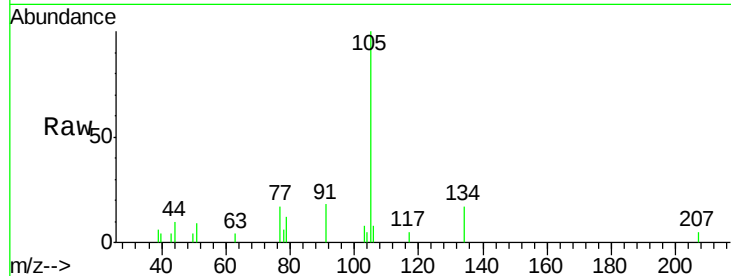
#85
 sec-Butylbenzene
 Concen: 0.925 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.0	9.3	28.0

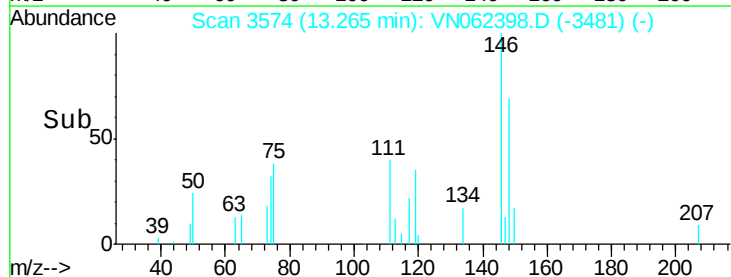
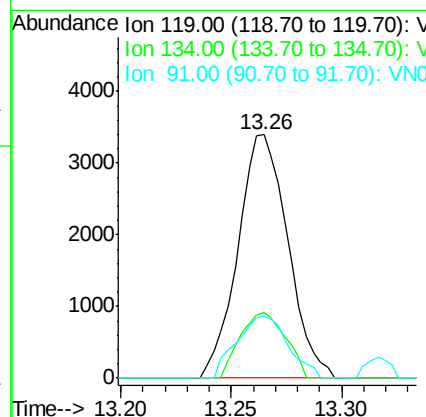
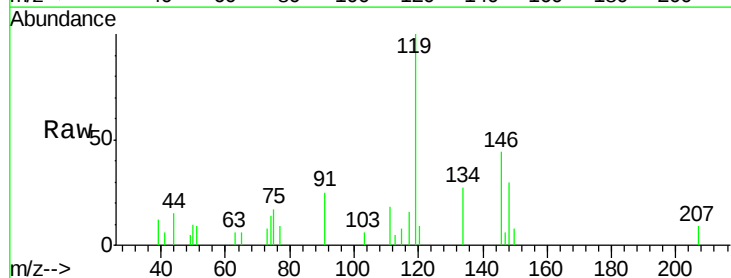
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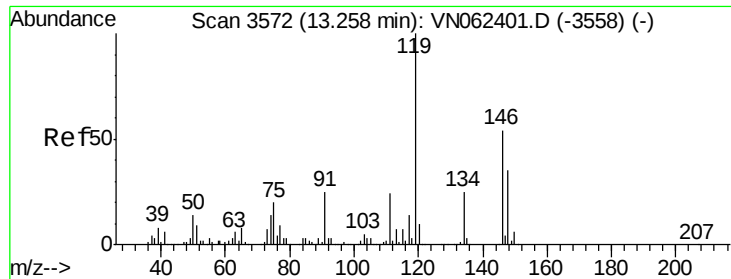
MMDadoda
 7/9/2020 10:55:24 AM



#86
 p-Isopropyltoluene
 Concen: 0.857 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.4	37.0
91	26.1	12.4	37.4





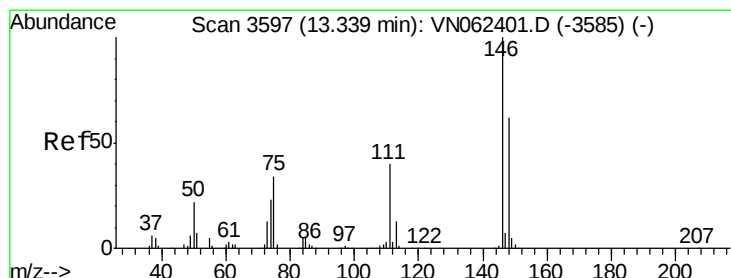
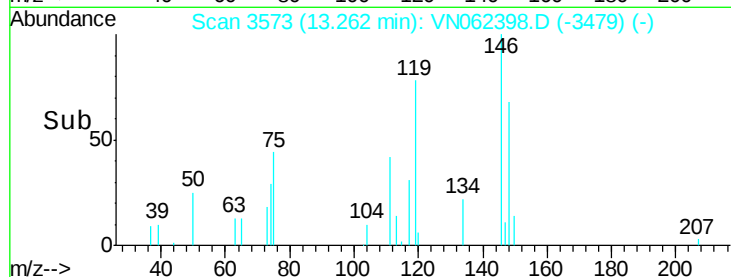
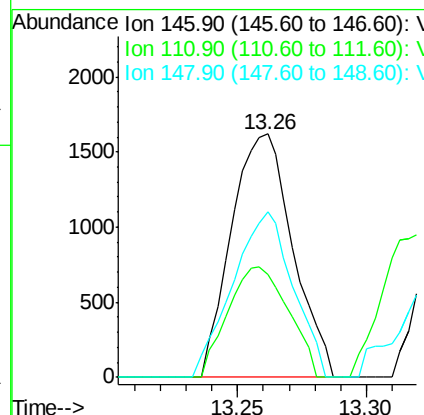
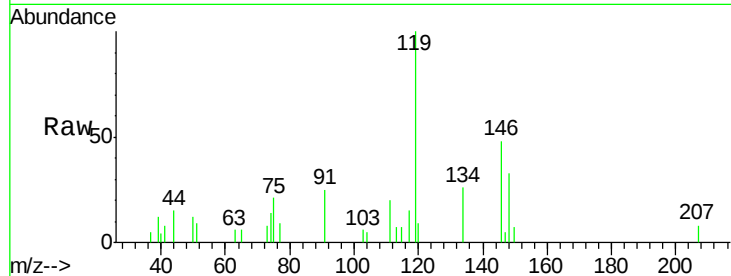
#87
 1,3-Dichlorobenzene
 Concen: 0.836 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	64.6
148	66.9	32.2	96.6

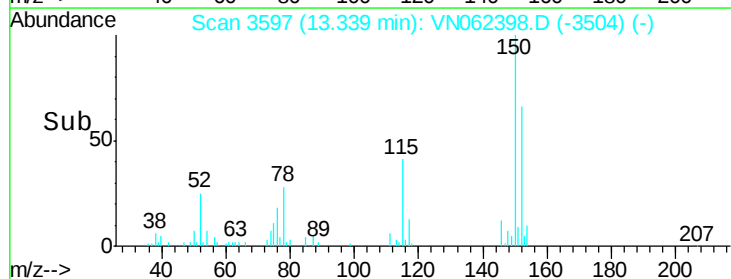
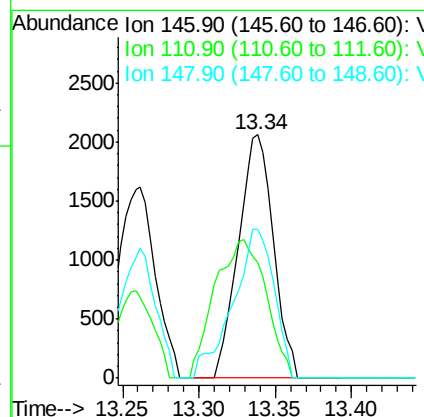
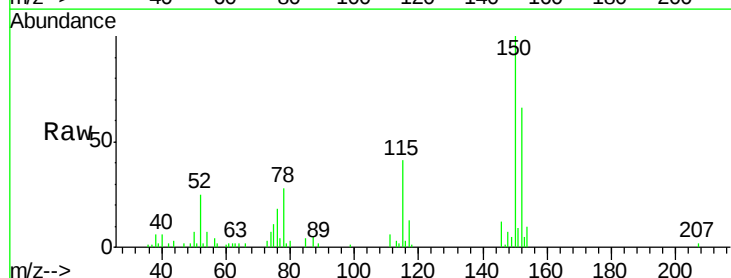
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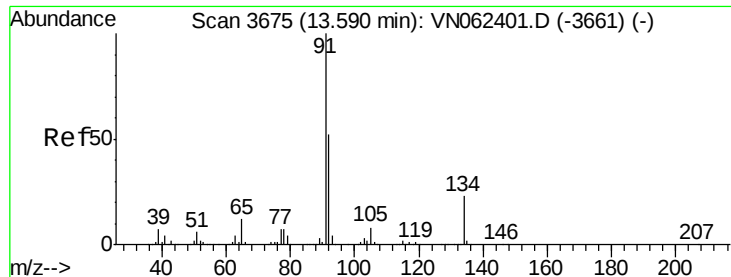
MMDadoda
 7/9/2020 10:55:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.984 ug/l m
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	21.1	63.1
148	55.1	31.4	94.2





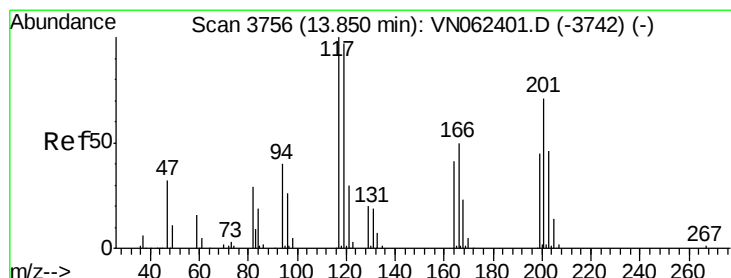
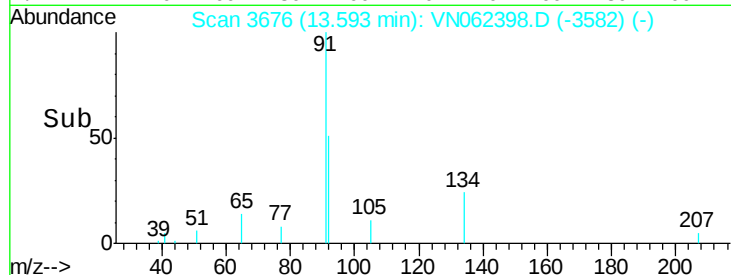
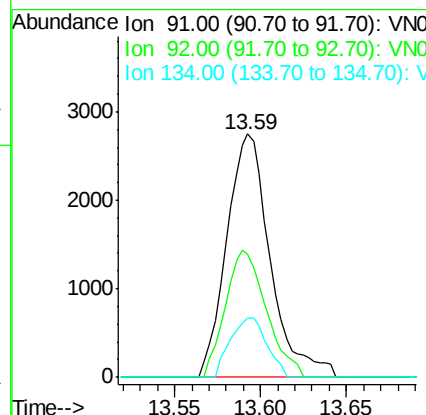
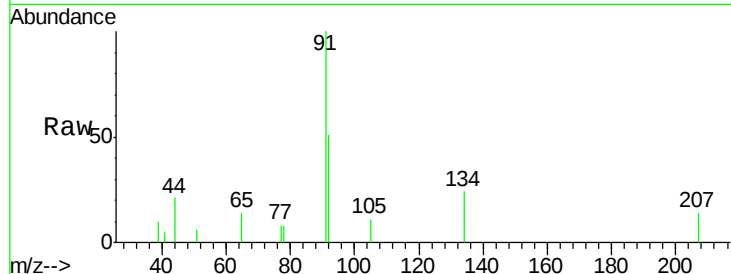
#89
n-Butylbenzene
Concen: 0.900 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.0	25.9	77.7
134	20.4	11.6	34.8

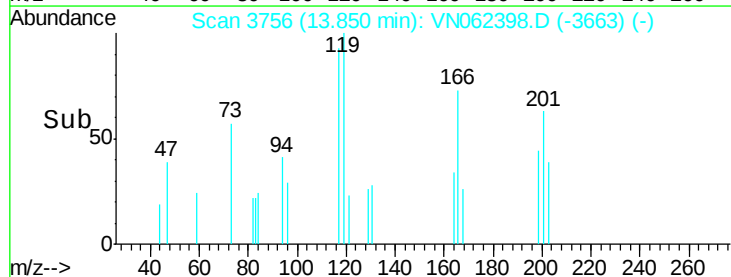
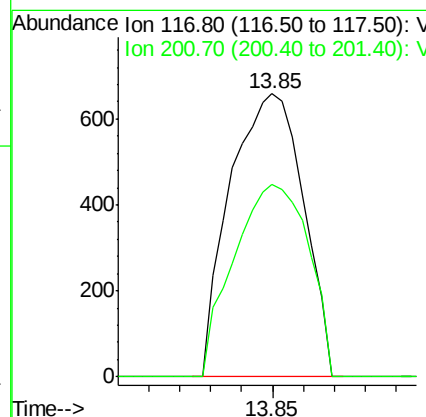
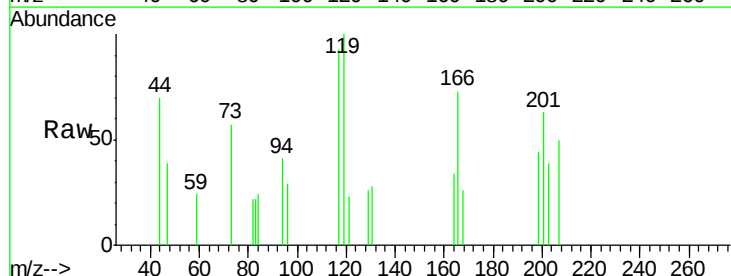
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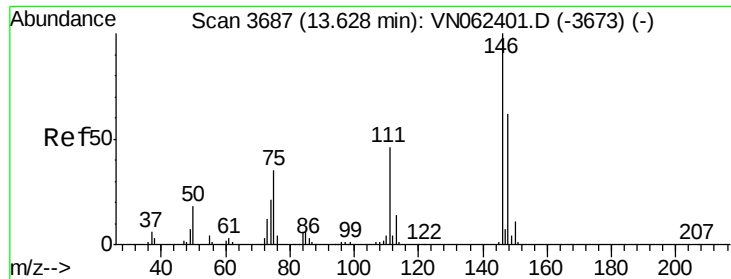
MMDadoda
7/9/2020 10:55:24 AM



#90
Hexachloroethane
Concen: 0.819 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062398.D
Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	35.4	106.2





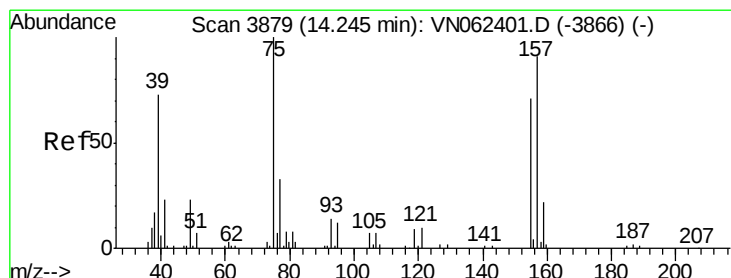
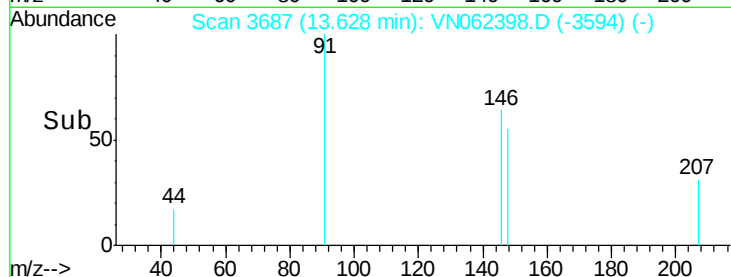
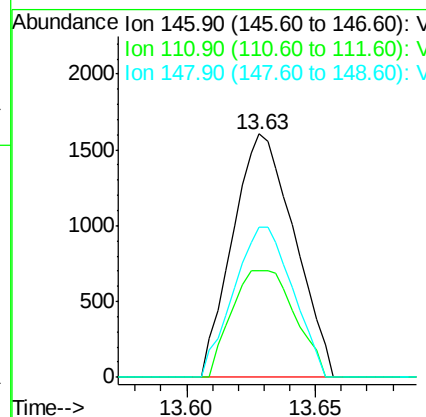
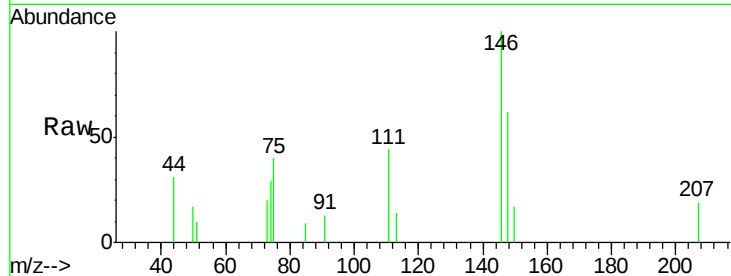
#91
 1,2-Dichlorobenzene
 Concen: 0.870 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.5	67.5
148	59.0	31.4	94.2

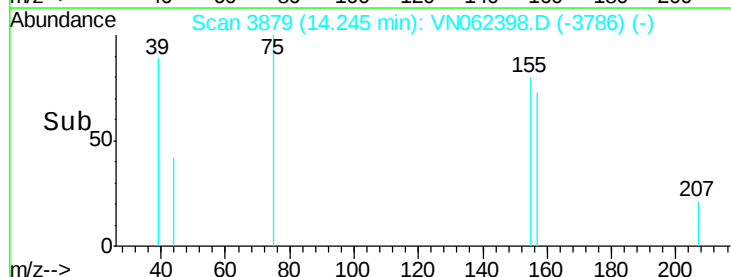
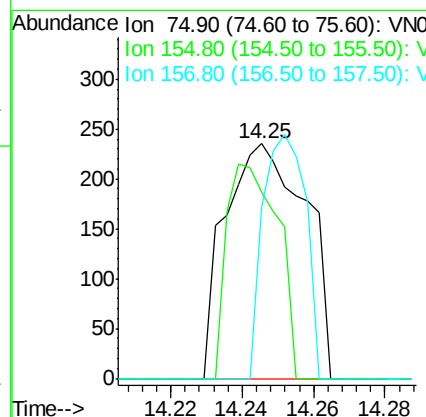
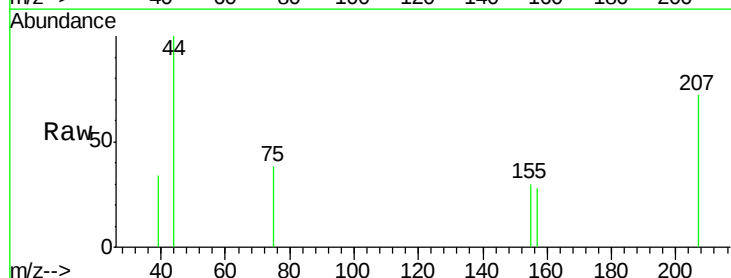
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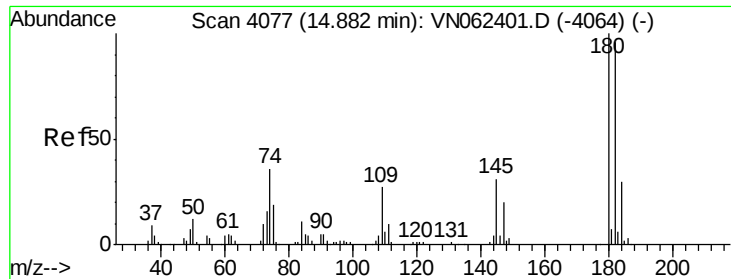
MMDadoda
 7/9/2020 10:55:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.715 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.6	35.2	105.6
157	54.6	45.8	137.3





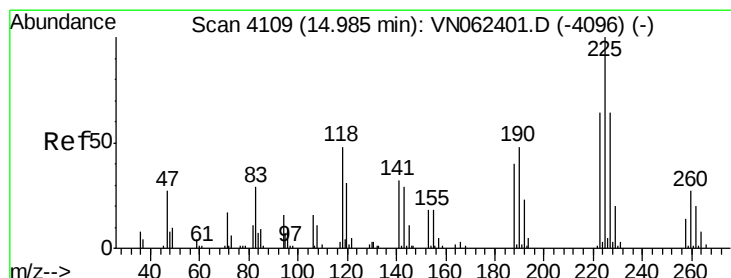
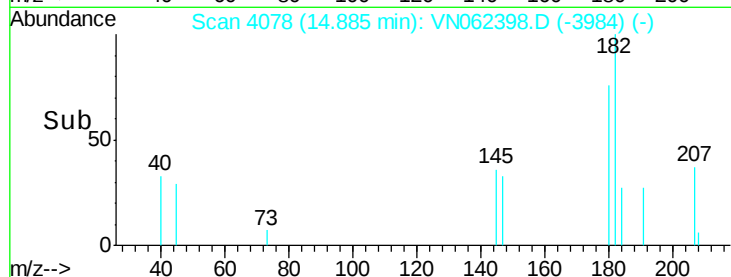
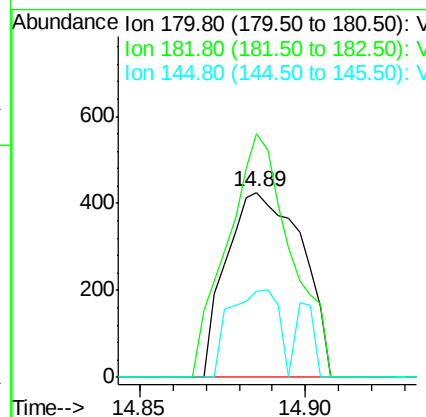
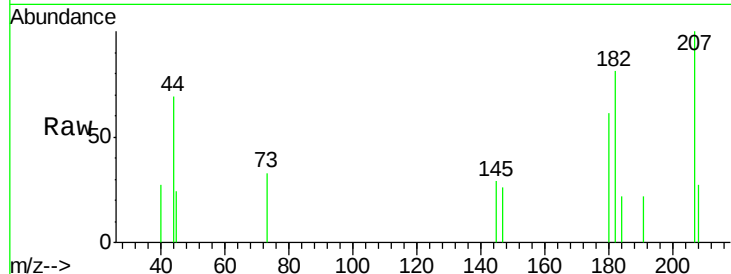
#93
 1,2,4-Trichlorobenzene
 Concen: 0.470 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	110.3	48.4	145.2
145	30.3	15.5	46.5

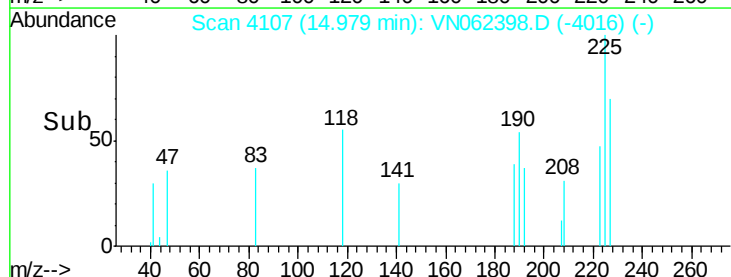
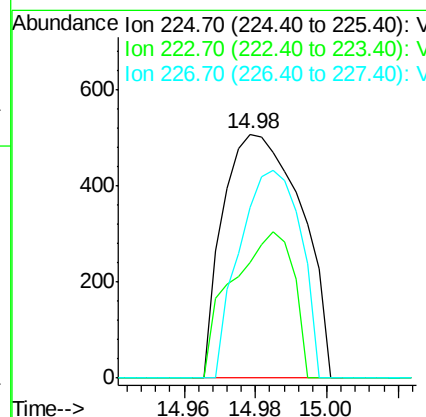
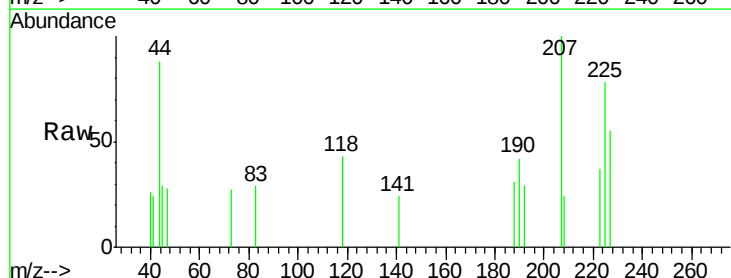
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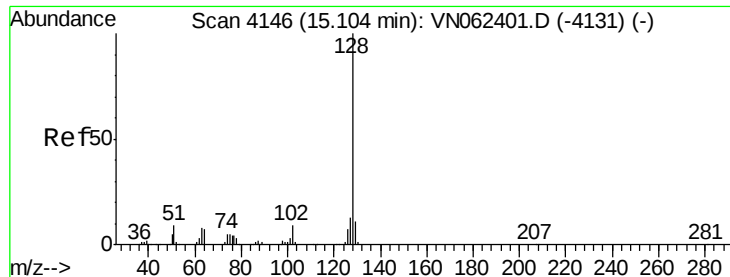
MMDadoda
 7/9/2020 10:55:24 AM



#94
 Hexachlorobutadiene
 Concen: 0.851 ug/l
 RT: 14.98 min Scan# 4107
 Delta R.T. -0.01 min
 Lab File: VN062398.D
 Acq: 8 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	47.3	32.3	96.8
227	66.5	31.9	95.7





#95

Naphthalene

Concen: 0.625 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Instrument :

MSVOA_N

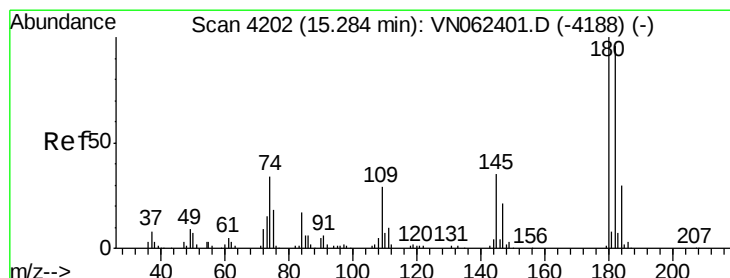
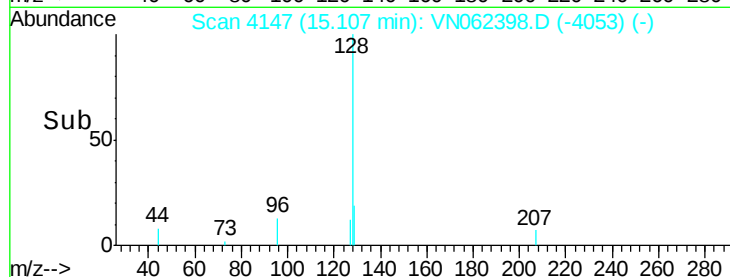
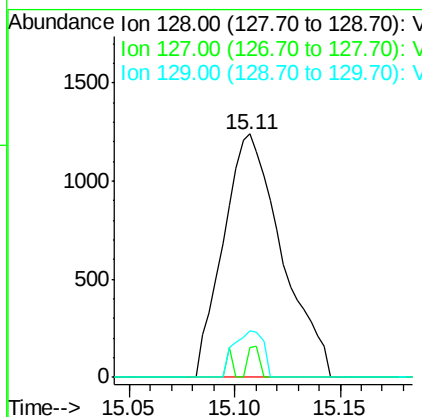
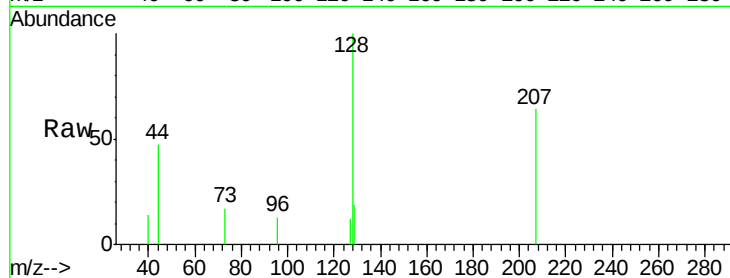
ClientSampled :

VSTDIC001

Tot Ion:	128	Resp:	2386
Ion Ratio	Lower	Upper	
128	100		
127	2.5	10.2	15.2#
129	9.6	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.680 ug/l

RT: 15.28 min Scan# 4201

Delta R.T. -0.00 min

Lab File: VN062398.D

Acq: 8 Jul 2020 10:14

Tgt Ion:	180	Resp:	1005
Ion Ratio	Lower	Upper	
180	100		
182	86.1	47.8	143.4
145	6.3	17.0	50.9#

